

8SSO10573	Active	797005 Anthony Reynoso	Certified
8SSO10573	Active	798202 Anthony	Certified
8SSO10574	Active	649070 Richard Mathis	Certified
8SSO10574	Active	655660 Richard Mathis	Certified
8SSO10574	Active	710887 David Entsminger	Certified
8SSO10574	Active	712716 David Entsminger	Certified
8SSO10574	Active	718924 David Entsminger	Certified
8SSO10574	Active	719929 David Entsminger	Certified
8SSO10574	Active	723075 David Entsminger	Certified
8SSO10574	Active	729292 David Entsminger	Certified
8SSO10574	Active	731379 David Entsminger	Certified
8SSO10574	Active	745100 David Entsminger	Certified
8SSO10574	Active	746477 David Entsminger	Certified
8SSO10574	Active	750737 David Entsminger	Certified
8SSO10574	Active	751979 David Entsminger	Certified
8SSO10574	Active	756841 David Entsminger	Certified
8SSO10574	Active	757553 David Entsminger	Certified
8SSO10574	Active	759875 David Entsminger	Certified
8SSO10574	Active	764680 David Entsminger	Certified
8SSO10574	Active	767291 David Entsminger	Certified
8SSO10574	Active	768555 David Entsminger	Certified
8SSO10574	Active	771859 David Entsminger	Certified
8SSO10574	Active	772075 David Entsminger	Certified
8SSO10574	Active	783857 David Entsminger	Certified
8SSO10574	Active	787957 David Entsminger	Certified
8SSO10574	Active	788558 David Entsminger	Certified
8SSO10574	Active	788926 David Entsminger	Certified
8SSO10574	Active	792735 David Entsminger	Certified
8SSO10574	Active	798716 David Entsminger	Certified
8SSO10574	Active	798722 David Entsminger	Certified
8SSO10574	Active	800311 William Murray	Certified
8SSO10575	Active	745980 Richard Shields	Certified
8SSO10575	Active	747927	Submit Draft
8SSO10575	Active	747930 Richard Shields	Certified
8SSO10575	Active	759301 Matt Wirz	Certified
8SSO10575	Active	776734 Matthew Wirz	Certified
8SSO10575	Active	793705 Matthew Wirz	Certified
8SSO10578	Active	648021 Johnson, Howard	Certified
8SSO10578	Active	650220 Brian A. Ragland, PE	Certified
8SSO10578	Active	650741 Johnson, Howard	Certified
8SSO10578	Active	651138 Johnson, Howard	Certified
8SSO10578	Active	654178 Johnson, Howard	Certified
8SSO10578	Active	706146 Brian A. Ragland	Certified
8SSO10578	Active	712118 Johnson, Howard	Certified
8SSO10578	Active	712145 Johnson, Howard	Certified
8SSO10578	Active	716734 Johnson, Howard	Certified
8SSO10578	Active	717080 Brian A. Ragland, PE	Certified
8SSO10578	Active	721494 Johnson, Howard	Certified
8SSO10578	Active	723011 Johnson, Howard	Certified
8SSO10578	Active	725110 Johnson, Howard	Certified
8SSO10578	Active	731284 Howard D. Johnson	Certified
8SSO10578	Active	731740 Johnson, Howard	Certified
8SSO10578	Active	732265	Ready To Certify
8SSO10578	Active	741124 Brian A. Ragland	Certified
8SSO10578	Active	744480 Johnson, Howard	Certified

Sewer Supervisor
Reynoso
Water Manager
Water Division Manager
Water Division Manager
Water Division Manager
Water Division Manager
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Water Division Manager
Water Division Manager
Water Services Manager
Water Services Manager
Water Services Manager
Water Services Manager
Water Services Manager
Water Services Manager
Water Services Manager
Water Manager
Director of Building and Safety

Director of Building and Safety
Management Analyst
Management Analyst
Management Analyst
Utilities Manager
Utilities Manager
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Utilities Manager

Utilities Manager
Utilities Manager

	1:20	985485
	14:09	681643
Water Division Office		830764
GGSD		529209
GGSD		720298
GGSD		816620
GGSD		236129
GGSD		202654
GGSD		417182
GGSD		733639
GGSD		701346
GGSD		214898
GGSD		487838
GGSD		451574
GGSD		579293
GGDS		681485
GGSD		270083
GGSD		406772
GGSD		519302
GGSD		657027
GGSD		545831
GGSD		769750
GGSD		980585
GGSD		441737
GGSD		714877
GGSD		833757
GGSD		947093
GGSD		209480
GGSD		519992
GGSD		231325
GGSD		819035
City of Grand Terrace		757584
	8:24	919088
02:40 p.m.		415691
	3:21	564134
11:00 a.m.		671476
City Huntington Beach		829094
Huntington Beach Utilities Office		693591
City Huntington Beach		495185
City Huntington Beach		116124
City Huntington Beach		979427
Utilities Office, Huntington Beach, California		259892
City Huntington Beach		584823
City Huntington Beach		453671
City Huntington Beach		661274
Huntington Beach Utilities Yard		613809
City Huntington Beach		708842
City Huntington Beach		718408
City Huntington Beach		928505
Huntington Beach		188810
City Huntington Beach		876938
Utilities Office, Huntington Beach, California		987746
City Huntington Beach		737892

18-Jul-13	7/18/2013	29-Jul-13	7/29/2013
26-Aug-13	8/26/2013	6-Sep-13	9/6/2013
9-Apr-07		18-May-07	5/18/2007
13-Aug-07		20-Aug-07	8/20/2007
8-Jan-08		9-Jan-08	1/9/2008
12-Feb-08		13-Mar-08	3/13/2008
5-Jun-08		12-Jun-08	6/12/2008
19-Jun-08		24-Jul-08	7/24/2008
22-Jul-08		11-Aug-08	8/11/2008
17-Nov-08		22-Dec-08	12/22/2008
5-Jan-09		6-Jan-09	1/6/2009
27-Sep-09		14-Oct-09	10/14/2009
4-Nov-09		10-Dec-09	12/10/2009
18-Mar-10		7-Apr-10	4/7/2010
27-Apr-10		7-May-10	5/7/2010
16-Sep-10	10/6/2010	6-Oct-10	10/6/2010
12-Oct-10	11/5/2010	5-Nov-10	11/5/2010
27-Dec-10	1/12/2011	12-Jan-11	1/12/2011
23-Mar-11	4/20/2011	20-Apr-11	4/20/2011
8-Jun-11	7/11/2011	11-Jul-11	7/11/2011
18-Jul-11	8/8/2011	8-Aug-11	8/8/2011
7-Oct-11	11/21/2011	21-Nov-11	11/21/2011
17-Oct-11	11/21/2011	21-Nov-11	11/21/2011
23-Jul-12	8/2/2012	2-Aug-12	11/7/2012
8-Nov-12	12/10/2012	10-Dec-12	12/10/2012
29-Nov-12	12/10/2012	10-Dec-12	12/10/2012
11-Dec-12	1/3/2013	3-Jan-13	1/3/2013
19-Mar-13	4/10/2013	10-Apr-13	4/10/2013
12-Sep-13	10/21/2013	22-Oct-13	10/22/2013
12-Sep-13	10/21/2013	22-Oct-13	10/22/2013
28-Oct-13	11/26/2013	27-Nov-13	11/27/2013
22-Oct-09		22-Oct-09	10/22/2009
28-Dec-09			
29-Dec-09		29-Dec-09	12/30/2009
10-Dec-10	12/10/2010	10-Dec-10	12/10/2010
31-Jan-12	1/31/2012	31-Jan-12	1/31/2012
29-Apr-13	4/29/2013	29-Apr-13	4/29/2013
15-Mar-07		26-Mar-07	2/3/2011
7-May-07		7-May-07	4/21/2011
21-May-07		21-May-07	2/3/2011
30-May-07		31-May-07	2/3/2011
16-Jul-07		16-Jul-07	2/3/2011
23-Oct-07		24-Oct-07	4/13/2011
31-Jan-08		4-Feb-08	2/3/2011
31-Jan-08		4-Feb-08	2/3/2011
29-Apr-08		29-Apr-08	2/3/2011
8-May-08		2-Feb-11	4/21/2011
3-Jul-08		3-Jul-08	2/3/2011
21-Jul-08		22-Jul-08	2/3/2011
22-Aug-08		22-Aug-08	2/3/2011
31-Dec-08		31-Dec-08	12/31/2008
12-Jan-09		23-Jan-09	2/3/2011
23-Jan-09		23-Jan-09	
14-Jul-09		15-Jul-09	4/13/2011
9-Sep-09		9-Sep-09	2/3/2011

Category 1		225	150
Category 1		225	0
Category 3		12	12
Category 3		61	61
Category 3		245	245
Category 3		474	474
Category 3		7	7
Category 3		551	551
Category 3		151	151
Category 3		37	37
Category 3		181	181
Category 3		484	484
Category 3		37	37
Category 3		149	149
Category 3		10	10
Category 3		177	177
Category 3		13	13
Category 3		11	11
Category 3		22	22
Category 3		32	32
Category 3		61	61
Category 3		767	767
Category 3		294	294
Category 3		326	326
Category 3		138	138
Category 3		531	531
Category 3		765	765
Category 3		857	857
Category 3	605	605	605
Category 3	714	714	714
Category 3	203	203	203
Category 3		20	5
Category 2		4500	1000
Category 2		4500	2000
Category 3		50	50
Category 3		5	0
Category 3		1	1
Category 3		5	0
Category 1		25	15
Category 3		50	50
Category 3		50	50
Category 1		90	40
Category 3		50	50
Category 1		25	15
Category 1		100	50
Category 3		75	75
Category 1		90	40
Category 3		25	24
Category 3		200	80
Category 1		810	610
Category 3		50	50
Category 3		5	5
Category 3		10	10
Category 3		262	262
Category 3		150	20

75 Yes	Yes
225 Yes	Yes
No	No
0 No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
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0 No	No
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0 No	No
0 No	No
0 No	No
10 No	Yes
0 No	No
0 No	No
50 Yes	Yes
0 No	No
10 Yes	Yes
50 Yes	Yes
0 No	Yes
50 Yes	Yes
0 No	No
0 No	Yes
200 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No

Not Applicable - Spill did not reach a separate storm drainpipe

Malvern @ Casa Blanca
Rosecrans Av @ Serrano Pl
Flower and Dakota
9621 Central
8851 Westminster
Dakota and Hazel
13096 Blackbird Street
13214 Yockey
12271 Loreleen
9682 Lexington
9542 Katella
Tiffany Lift Station
11961 Melody Park Dr
13851 Roxey Drive
Gilbert south of Katella
Yockey north of Trask
6502 Anthony Ave.
Lampson and West
Flower and Crosby
Kern Avenue
Magnolia at Larson
Josephine and Anthony
Brookhurst and Bonser
12891 9th Street
13052 Cypress St.
Adland and Central
Magnolia north of Trask
11028 Cynthia Cir.
13361 Magnolia
13371 Magnolia
9670 Trask Ave.
Honey Hills
NORTH OF VIVIENDA AVE. WEST OF GRAND TERRACE RD. (NEAR RIVERSIDE WATER UTILITY)
North of Vivienda ave. West of Grand Terrace Rd. (Near riverside water utility)
Honey Hills Dr. and Westwood St.
12011 Honey Hill Dr.
Honey Hills and Westwood
The spill was on Liberty Ave. between Jacquelyn Ln. and Crabb Ln.
2702 Huntington Street
The spill came out of manhole at Springfield Ave. and California ST.
Rancho Huntington Mobile Home Park
6152 Christy Dr.
Street Huntington Terrace Senior Apartments
8371 Arnett Dr.
7850 Slater Ave. Villa Huntington Mobile Home Park,
19572 DryBrook Ln Huntington Beach Ca
18031 Gulf Lane
City of Huntington Beach, Pier
8391 Yorktown Ave
7850 Slater Ave. Villa Huntington Mobile Home Park.
19111 Bushard St
15942 Willett Ln. Huntington Beach Ca. 92649
Oak View Library at 17251 Oak Lane
Parking Structure on the corner of Third ST. and Olive Ave.
Huntington Beach, Central Park East.

33.872222	-117.941667 Orange
33.892778	-117.956111 Orange
33.767929	117.953466 Orange
33.77	-117.96 Orange
33.759	-117.975 Orange
33.767944	-117.974185 Orange
33.772954	-117.913224 Orange
33.770672	-117.9768 Orange
33.784301	-117.971002 Orange
33.747058	-117.960076 Orange
33.802895	-117.966069 Orange
33.776659	-118.035879 Orange
33.788963	-117.956085 Orange
33.761713	-117.90897 Orange
33.802647	-117.967566 Orange
33.79717	-117.976784 Orange
33.7749	-118.019819 Orange
33.781617	-117.923617 Orange
33.771353	-117.953475 Orange
33.753181	-117.947153 Orange
33.771739	-117.972512 Orange
33.775231	-117.979628 Orange
33.784687	-117.958628 Orange
33.775575	-117.932381 Orange
33.77351	-117.94757 Orange
33.77045	-117.94934 Orange
33.76833	-117.97246 Orange
33.762137	-117.937042 Orange
33.76873	-117.97272 Orange
33.76826	-117.97249 Orange
33.76671	-117.96324 Orange
34.037667	-117.300406 San Bernardino
34.041667	-117.325589 San Bernardino
34.041667	-117.300833 San Bernardino
34.037689	-117.300422 San Bernardino
34.03532	-117.29991 San Bernardino
34.037667	-117.3004 San Bernardino
33.705661	-117.994092 Orange
33.681139	-117.995281 Orange
33.673983	-117.995156 Orange
33.663611	-117.95 Orange
33.72296	-118.02124 Orange
33.412247	-117.5976 Orange
33.718128	-117.982028 Orange
33.705833	-117.994472 Orange
33.67828	-117.98206 Orange
33.700517	-117.982317 Orange
33.657756	-118.002358 Orange
33.679697	-117.981586 Orange
33.707489	-117.991772 Orange
33.932222	117.962789 Orange
33.730519	-118.020511 Orange
33.712778	-117.995278 Orange
33.658042	-118.001061 Orange
33.708603	-118.000869 Orange

Spill occurred 200' East of Euclid Street at the intersection of Malvern and Casa Blanca.
Spill occurred on Rosecrans Av at the intersection of Serrano Place.

In the parking lot and alley behind the strip mall.
District manhole at intersection of Dakota and Hazel.
District manhole
District manhole MHK130020

District manhole.
District manhole in the intersection of Fraley and Katella.
Tiffany lift station.
District manhole.
District manhole 7473
District cleanout 14624.
District manhole 11615.
Manhole in intersection of Seneca and Anthony.
District manhole 11672 in the intersection of Lampson and West.
District cleanout in the intersection.
Manhole in the intersection of Kern and Bowen.
The manhole is in the northbound turn pocket on Magnolia St.
District manhole in the intersection of Josephine and Anthony.
District manhole 9456 on Brookhurst St. west of Bonser Ave.
District manhole 12484 (in front of 12891 9th St.).
Zitny Plaza
Manhole in the intersection of Central Avenue and Adland Street.
On Magnolia just north of Trask.
District manhole 11972 on Cynthia Cir. just east of Euclid.
District manholes 11587 and 11588 on Magnolia north of Trask.
District manhole 1589. Magnolia north of Trask
District manhole 14517. Trask Ave. at Galway.
Intersection of Honey Hills Dr. and Westwood

DEPRESSED AREA OF LAND WEST OF GRAND TERRACE RD. AND NORTH OF VIVIENDA AVE. THE LAND BELONGS TO THE CITY OF COLTON BUT
Depressed area of land West of Grand Terrace Rd. and North of Vivienda ave. The land belongs to the City of Colton but
Intersection of Honey Hill Drive and Westwood St. The sewer manhole in the center of the intersection. The flow traveled c
East of honey hill Dr. on Private road

The intersection of Honey Hills Dr. and Westwood street
City main line had a grease blockage. The sewage spill was at the manhole on Liberty west of Jacquelyn.
City's main line had blockage on Huntington St. south of Cleveland Dr. in the City's sewer line. The spill was at the intersection
City main line had a blockage on Springfield Ave. between Huntington ST. and California ST. The spill was at the intersection
City main line had blockage at intersection of Brookhurst ST. and Yorktown Ave. and caused a sewage spill in Rancho Hl
City main line on Christy Dr. had blockage that caused spill. Between Duchess Ln. and Bradbury Ln. on Christy Dr.
Clean out in this private apartment complex.

The sewage was coming out of sewer lateral line clean out in front of the City sidewalk within the City's right-of-way.
The blockage was inside the private Mobile Home Park, sewage came out in front of space #116, and in the back of space
Sewage was coming out of a Pick hole of manhole.
City main line had a blockage on the corner of Gulf Ln. and Tradewind Cr.
Sewer pipe line on the City, Pier between the Lifeguard tower on the Pier and PCH.
The blockage point was 150 Ft. West of Yorktown Ave. and Newhaven Ln.
The broken sewer main line was in space # 116 inside the Villa Huntington Mobile Home Park.
Redos Contraction Company was installing a new sewer trunk line for Orange County Sanitation District. A new ring for a
Cleanout in front of house.

Sewage came out of a double barre (3 Inch each) undersidewalk storm drain pipe through the curb face into the street.
The problem point was in the basement of the City parking structure. The over head caste-iron sewer line in the basement
The blockage was inside Central Park, main sewer line backed up. City Wastewater Crew, contained spill, cleared blockage

2
1
1

INGS TO THE CITY OF COLTON BUT THE
the Line belongs to the City of Grand T
downhill to the north and to the east side

ection of Huntington St. and Cleveland C
ction of Springfield Ave. and California S
ntington Mobile Park.

e #115

manhole was installed and debris from 1

t rotted through and caused the sewage
ge, and did complete clean up. We are g

Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Force main or pressure sewer;Other (specify)
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
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Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Manhole
Other (specify)
Other (specify)
Building or structure;Gravity sewer
Gravity sewer

Cleanout

Leak in the force main at the lift station. Sewage was leaking from around the base of the dry well. The lift station is beir

Cleanout.

Two District manholes on Magnolia. Manhole 11587 and 11588.

The City's Eight-inch sewer main line had a grease blockage next to the lateral connection of the Huntington Terrace Sen

Cleanout

Double barrel undersidewalk storm drain pipe cut into the face of the street curb.

Surface water
Separate storm drain;Surface water
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Other paved surface
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Unpaved surface;Other (specify below)
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Street/Curb and Gutter
Street/Curb and Gutter
Street/Curb and Gutter
Street/curb and gutter
Unpaved surface
Unpaved surface
Street/curb and gutter;Other (specify below)
Street/curb and gutter
Other paved surface
Street/curb and gutter
Separate storm drain;Other (specify below)
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Building or structure
Separate storm drain;Street/curb and gutter;Surface water
Other paved surface;Separate storm drain;Street/curb and gutter;Surface water
Other (specify below)
Other paved surface
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other paved surface
Other (specify below)
Building or structure;Other (specify below)
Unpaved surface

75 gallons of sewage spilled into nearby Brea Creek Channel.

Sewage spilled into a nearby storm drain catch basin, which ties into Brea Creek Channel 6,000ft to the South.

The lift station is in the process of being replaced and the surrounding area is a construction site. The spill was contained

Flow did not reach any stormdrain. Due to residential runoff from irrigation the crew set up a berm downstream appx. 1/8 r

Just gathered on the manhole and about 20 feet of running puddling in the road. Maintained on the paved surface due to
The spill was very small only vacuumed five gallons, and washed down street.

County's flood control pump station at the intersection of Adams and Beach Blvd. During low flow conditions, flows are d

The City's Eight-inch sewer main line had a grease blockage next to the lateral connection of the Huntington Terrace Sen

Approximately 25 gallon of sewage was vacuumed up and put into the City's sewer system; approximately 50 gallon of se
Jefferson Channel

Contained in vault and sand from the beach. The sand that got soaked by sewage got removed.

The catch basin on the corner of Yorktown, and Newhaven flows into the County Flood Station, at the corner of Beach Bl

We had 100 gallons soak in to ground, contractor removed the soaked dirt when they did the repair.

All sewage was vacuumed up and put into the City's sewer system.

Pooled on sidewalk.

Slater Channel and Bolsa Chica wetlands.

Most of the sewage was contained in the basement of parking structure, some went into a clarifier in the basement that di

We had about 130 gallons of sewage soak into ground, inside Central Park.

7/18/2013 7:30	7/18/2013 7:45	7/18/2013 7:50	7/18/2013 8:15
8/24/2013 17:30	8/24/2013 16:45	8/24/2013 18:30	8/24/2013 18:45
4/5/2007 14:20	4/5/2007 14:20	4/5/2007 14:30	4/5/2007 14:35
7/19/2007 16:10	7/19/2007 16:10	7/19/2007 16:20	7/19/2007 16:40
12/13/2007 14:25	12/13/2007 14:25	12/13/2007 14:30	12/13/2007 15:25
2/8/2008 9:30	2/8/2008 9:30	2/8/2008 9:40	2/8/2008 10:10
5/27/2008 16:15	5/27/2008 16:15	5/27/2008 16:30	5/27/2008 0:00
6/14/2008 12:18	6/14/2008 12:18	6/14/2008 12:30	6/14/2008 13:15
7/21/2008 9:54	7/21/2008 9:54	7/21/2008 10:00	7/21/2008 10:15
11/9/2008 19:00	11/9/2008 19:00	11/9/2008 19:25	11/9/2008 20:10
12/26/2008 14:00	12/26/2008 14:00	12/26/2008 14:20	12/26/2008 15:30
9/27/2009 14:23	9/27/2009 14:23	9/27/2009 14:35	9/27/2009 15:00
11/3/2009 11:18	11/3/2009 11:18	11/3/2009 11:30	11/3/2009 11:40
3/15/2010 21:06	3/15/2010 21:06	3/15/2010 21:18	3/15/2010 21:59
4/25/2010 13:30	4/25/2010 13:30	4/25/2010 14:00	4/25/2010 14:40
9/14/2010 19:35	9/14/2010 19:35	9/14/2010 19:40	9/14/2010 21:42
10/12/2010 8:50	10/12/2010 8:50	10/12/2010 8:59	10/12/2010 9:04
12/24/2010 11:30	12/24/2010 11:30	12/24/2010 11:40	12/24/2010 11:45
3/22/2011 15:43	3/22/2011 15:43	3/22/2011 15:50	3/22/2011 16:08
6/7/2011 10:36	6/7/2011 10:36	6/7/2011 10:50	6/7/2011 10:59
7/17/2011 11:50	7/17/2011 11:50	7/17/2011 12:00	7/17/2011 12:10
10/6/2011 8:51	10/6/2011 9:15	10/6/2011 9:20	10/6/2011 9:38
10/15/2011 12:10	10/15/2011 12:10	10/15/2011 12:30	10/15/2011 13:20
7/14/2012 10:25	7/14/2012 10:45	7/14/2012 10:54	7/14/2012 11:45
11/7/2012 14:00	11/7/2012 22:03	11/7/2012 22:34	11/8/2012 0:00
11/26/2012 19:30	11/26/2012 19:30	11/26/2012 19:45	11/26/2012 20:30
12/7/2012 13:30	12/7/2012 14:00	12/7/2012 14:10	12/7/2012 14:45
3/14/2013 16:41	3/14/2013 17:15	3/14/2013 17:30	3/14/2013 20:11
9/5/2013 19:30	9/5/2013 21:00	9/5/2013 21:15	9/5/2013 22:10
9/6/2013 18:30	9/6/2013 19:10	9/6/2013 19:25	9/6/2013 19:40
10/23/2013 19:00	10/23/2013 19:41	10/23/2013 19:50	10/23/2013 20:50
10/22/2009 9:18	10/22/2009 9:20	10/22/2009 9:25	10/22/2009 10:00
12/28/2009 9:20	12/28/2009 9:35	12/28/2009 9:35	12/28/2009 12:00
12/28/2009 9:20	12/28/2009 9:35	12/28/2009 9:35	12/28/2009 12:00
12/10/2010 9:20	12/10/2010 9:25	12/10/2010 9:40	12/10/2010 10:00
1/30/2012 10:00	1/30/2012 10:15	1/30/2012 10:20	1/30/2012 10:30
4/28/2013 22:30	4/28/2013 22:45	4/28/2013 23:10	4/28/2013 23:30
3/12/2007 19:30	3/12/2007 19:45	3/12/2007 20:00	3/12/2007 20:05
5/6/2007 9:15	5/6/2007 9:20	5/6/2007 9:35	5/6/2007 9:45
5/18/2007 19:30	5/18/2007 19:40	5/18/2007 20:05	5/18/2007 20:20
5/24/2007 13:50	5/24/2007 14:05	5/24/2007 14:20	5/24/2007 14:35
7/13/2007 11:00	7/13/2007 11:15	7/13/2007 11:30	7/13/2007 11:45
10/22/2007 14:00	10/22/2007 16:00	10/22/2007 16:04	10/22/2007 16:30
1/23/2008 9:10	1/23/2008 9:30	1/23/2008 9:45	1/23/2008 10:00
1/29/2008 20:00	1/29/2008 20:15	1/29/2008 20:40	1/29/2008 21:20
4/28/2008 11:48	4/28/2008 11:48	4/28/2008 11:57	4/28/2008 12:20
5/5/2008 19:00	5/5/2008 19:45	5/5/2008 20:10	5/5/2008 20:30
7/2/2008 15:00	7/2/2008 15:00	7/2/2008 15:15	7/2/2008 15:25
7/15/2008 21:30	7/15/2008 21:30	7/15/2008 21:40	7/15/2008 22:35
8/21/2008 13:30	8/21/2008 13:00	8/21/2008 13:45	8/22/2008 3:00
12/30/2008 12:59	12/30/2008 12:59	12/30/2008 13:05	12/30/2008 13:15
1/9/2009 19:30	1/9/2009 19:30	1/9/2009 20:10	1/9/2009 19:31
1/21/2009 0:00	1/21/2009 7:30	1/21/2009 7:35	1/21/2009 7:40
7/13/2009 0:05	7/13/2009 0:15	7/13/2009 0:30	7/13/2009 3:00
9/5/2009 7:30	9/5/2009 7:45	9/5/2009 8:15	9/5/2009 8:45

Other (specify below)
Debri-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Debri-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Grease Deposition (FOG)
Other (specify below)
Grease Deposition (FOG)
Root intrusion
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Grease deposition (FOG)
Root intrusion
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Rainfall exceeded design (Separate CS Only)
Root intrusion
Grease deposition (FOG)
Root intrusion
Other (specify below)
Pipe structural problem/failure
Debri-General
Pipe structural problem/failure
Debris
Debri-General
Other (specify below)
Pipe structural problem/failure
Vandalism

Spill cause is assumed to be roots and grease, but given that Fullerton's CCTV truck is currently out of operation (repairs), Spill was caused by a combination of rags and rocks that entered the pipe up stream of the blockage where an outside ul

The roots in the District line restricted flow in the pipe. When the resident began to pump out his swimming pool into the s

Pipe structural problem/failure. The contractor performing construction of the new lift station exposed the force main in o

District crews cleared a grease and root blockage. However, crews also removed a piece of rebar along with rags and otl

This was the second spill in this section in two days. The night before a FOG blockage was cleared just upstream of this District crews video inspected the line and found heavy grease buildup. Crews hydrojetted the line to remove the grease Root intrusion and general debri blockage

REBAR FOUND IN PIPELINE AND A SMALL SAG IN ABOUT 100 FT OF LINE

Rebar found in pipeline and a small sag in about 100 feet of line.

Estimated cause due to root intrusion. Video of line will be taken later today to identify cause.
City crew pulled grease back with cleaning.

The City's Eight-inch sewer main line had a grease blockage next to the lateral connection of the Huntington Terrace Sen

Debris (rags) and grease led to the blockage.

The cast iron sewer pipe was corroded and in poor condition. Corrosion was internal.

The blockage was caused by soap scum and debris in the line

Redos Contraction Company was installing a new sewer trunk line for Orange County Sanitation District. A new ring for a

When the building was constructed, the sewer was plumbed into a septic tank that was later abandoned. During the abar

Sticks dropped into manhole through pick hole.

Main
Main

Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Gravity Mainline
Gravity Mainline
Gravity Mainline
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Lower Lateral
Main
Main
Lower Lateral
Lower Lateral
Lower Lateral
Main
Main
Main
Lower Lateral
Other (specify below)
Lower Lateral
Other (specify below)
Lower Lateral
Lower Lateral

The force main sheered just as it exited the dry well.

43 feet upstream of manhole 12080.
Manhole cover seepage due to main line blockage

In the city's eight inch arterial sewer line

Failure occurred in the lower portion of the sewer lateral serving a public library.

8 VCP

8 VCP

VCP

8 VCP

8 DIP

8 VCP

8 VCP

8 VCP

8 PVC

8 VCP

10 VCP

8 VCP

8 VCP

8 VCP

8 VCP

8 VCP

8 Cast Iron

6 VCP

8 VCP

8 VCP

8 VCP

8 VCP

8 VCP

15 VCP

8 VCP

8 vcp

8 VCP

8 vcp

8 VCP

8 clay

8 VCP

8 Sleeved

8 clay

8 clay

8 Clay

4 clay

6 clay

8 VCP

8 VCP

6 Cast iron

8 clay

6 clay

8 clay

4 clay

4 VCP

4 caste-iron

8 clay

No
No
No

62

54

50

57

89

54

58

57

58

89

51

59

59

720

720

720

30

30

30

32

60

50

7

60

50

50

45

50

50

55

15

40

40

45

40

18

45

Upon arriving, crews contained the spill, cleared the blockage, and flushed/captured all sewage from the nearby storm drain. Upon arrival, operators cleared the blockage, washed down the contaminated area, while capturing all water used for cleaning. The CCTV inspection revealed a sag and cracks in the District line. This pipe segment was part of our sewer system rehabilitation program, phase 1, and is scheduled to be repaired. Due to grease in the line, the spill information will be given to the Garden Grove Environmental Management Team for their review. They will enforce the spill information. On Monday 2/11/08 District crews video inspected the pipe with the District CCTV equipment. Roots and grease were found. District crews will hydro jet the line again on 5/29/2008 and then video inspect the pipe using the District CCTV equipment. District crews hydrojetted all lines in this portion of the system to ensure they were as clean as possible. The spill information was given to the Garden Grove Environmental Management Team for their review. District crews ran a root cutter in the line to ensure that the pipe was as clear as possible. District crews video inspected the line. This line is on the District's three (3) month cleaning cycle and was cleaned by hydrojetting on November 5, 2008. There is a sag in the line. District crews hydrojetted all lines in this portion of the system to ensure they are as clean as possible. District crews video inspected the line. District crews shut down the lift station to stop the spill. The spill area was vacuumed up and Ocean Blue was called out to clean the spill. The previous CCTV inspection of the pipe on 8/8/07 showed minor root intrusion in the line. District crews ran the root cutter in the line. District crews video inspected the line using the District CCTV equipment and found several sags in the pipe. This line was cleaned by hydrojetting on 4/26/10. On 4/26/10, District crews hydrojetted all lines in this portion of the system to ensure they were as clean as possible. District crews video inspected the line. The CCTV inspection showed several sags in the PVC pipe. This line will be added to the list of capital improvement projects. District crews inspected the pipe using CCTV equipment and found a siphon in the pipe. The siphon was most likely installed by the apartment complex.

Approximately 50 gallons entered a catch basin inlet before District crews could fully contain the spill. District crews were unable to contain the spill. Upstream of this line is a hot spot and it is cleaned monthly. The entire section was cleaned by District crews on 10/17/2012. The pipe was inspected on 7/16/2012 using the District CCTV equipment. The pipe downstream of manhole 12485 is cast iron. District crews cleaned the line again on 2012/11/08 with the District combination truck. Crews then inspected the line using the District CCTV equipment. The CCTV inspection revealed a sag in the main line. This line is scheduled to be repaired as an addition to the District's capital improvement projects. District crews cleaned the pipe again on 12/10/2012 and inspected the line using the District CCTV equipment. Several sags were found. District crews spoke to several residents of apartment complex to determine the exact start time of the overflow. The Garden Grove Environmental Management Team was notified of the spill.

line unblocked and lines flushed. spill site cleaned with bleach solution

Cut out root intrusion

Line unblocked and lines flushed. Site pavement cleaned with bleach solution.

We will clean our sewer line and have this apartment complex clean their sewer lateral. The City of Huntington Beach will be responsible for the clean up.

City Wastewater Crew, cleared blockage and vacuumed up soap scum from manhole to prevent another blockage downstream.

The City of Huntington Beach Utilities Division Wastewater Section remove the blockage and did the clean up. Sewage was contained and cleaned up.

The library restrooms were closed and portable restrooms were installed. New sewer lateral from the library to the City-owned parking lot was installed. City Wastewater Crew, and Haz-Mat Crew, were first on site to contain spill. City had Roto-Rooter, repair the bad section of the sewer line.

7/18/2013 9:00
8/26/2013 14:55

12/28/2009 12:00
12/28/2009 12:00

5/6/2007 10:45

7/13/2007 12:20

1/23/2008 11:30
1/29/2008 9:20
4/29/2008 8:00
5/5/2008 20:50

8/22/2008 10:15

Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program
Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement acti
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer;Repaired sewer

City cleaned this line in 06/10/2007. We will clean this district A.S.A.P. and have the problem point C.C.T.V. ed to make

Yes
No

No
No

No

No

No
No
No
No

No

NA
NA
N/A

The sewage entered a catch basin that drops into storm station that pumps into channel that ends up at Bolsa Chica Wetl
No need to do inspection of receiving water

NA
Sewage spilled into Jefferson channel ,a concrete channel that was mostly dry. (i.e. Other Paved Surface)

No

NO
None
N/A

No
No

No
No

No

No

No
No
No
No

No

NA
NA
N/A

None

I notified the Health Agency, Regional Water Quality Control Board, and didn't think 50 gallons was enough to post warnir

Huntington Beach Wetlands
None
NA
None

NA

None

Brea Creek Channel
Brea Creek Channel

NA
NA
None
N/A
None impacted
none
None
None
None

Wintersburg Channel, and Bolsa Chica Wetlands.

None

Ocean View Channel, and then the Huntington Beach Wetlands.

The storm drain that we lost the 50 gallons dumps into the City Central Park Lake.

None

None

None

The final destination was the Huntington Beach Central Park Lake.

None

None

none

none

No water quality samples taken
No water quality samples taken

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken
No water quality samples taken;Not applicable to this spill
No water quality samples taken
Not applicable to this spill

Not applicable to this spill

No water quality samples taken
No water quality samples taken

Regional Water Quality Control Board
No water quality samples taken

Not applicable to this spill

No water quality samples taken;Not applicable to this spill

No water quality samples taken;Not applicable to this spill
No water quality samples taken
None of the above
No water quality samples taken

Not applicable to this spill

The overflow volume was determined using a calculation for ponded areas. Length (3065 ft) x Width (.33 ft) x Depth (.08 ft) = 81.5 cubic ft x 7.48 gal/cubic ft = 610.0 gal, round up to 611 gal.

The overflow volume was determined using an OCSD pick hole overflow chart. The manhole had five pick holes that were used to determine the depth of the ponded area. The depth was .17 ft.

Area calculation for ponded areas. Length 20 ft x Width 8 ft x Depth .17 ft = 27.2 cubic ft x 7.48 gal = 203.456 gal, round up to 204 gal.

134422	7/18/2013 8:40
135275	8/24/2013 0:00

96563	9/27/2009 18:00
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12/29/2009 8:00

71599	3/12/2007 21:05
72746	5/6/2007 11:10
73059	5/18/2007 21:40
73186	5/24/2007 15:50
74197	7/13/2007 12:45
Jul-58	10/22/2007 17:05
80647	1/23/2008 12:45
80906	1/29/2008 23:45
Aug-89	4/28/2008 13:37
83283	5/5/2008 21:20
84908	7/3/2008 13:35
Aug-99	7/16/2008 12:15
86120	8/21/2008 20:10
89254	12/30/2008 13:44
90193	1/9/2009 20:10
90663	1/22/2009 14:20
94970	7/13/2009 7:27
96147	9/5/2009 11:35

Stephen Porras, Sanitation Fmn
Stephen Porras, San. Foreman
Stephen Porras, Sanitation Foreman

7147415347
7147415347
7147415347

8SSO10578	Active	748188 Johnson, Howard	Certified
8SSO10578	Active	753304 Johnson, Howard	Certified
8SSO10578	Active	756002 Johnson, Howard	Certified
8SSO10578	Active	757171 Johnson, Howard	Certified
8SSO10578	Active	760197 Johnson, Howard	Certified
8SSO10578	Active	765429 Brian A. Ragland, PE	Certified
8SSO10578	Active	765433 Brian A. Ragland, PE	Certified
8SSO10578	Active	767653 Brian A. Ragland, PE	Certified
8SSO10578	Active	771915 Brian A. Ragland	Certified
8SSO10578	Active	772304 Brian A. Ragland	Certified
8SSO10578	Active	773334 Brian A. Ragland	Certified
8SSO10578	Active	773559 Brian A. Ragland	Certified
8SSO10578	Active	778841 Brian A. Ragland, P.E.	Certified
8SSO10578	Active	781478 Brian A. Ragland, P.E.	Certified
8SSO10578	Active	781749 Brian A. Ragland, P.E.	Certified
8SSO10578	Active	782510 Brian A. Ragland, P.E.	Certified
8SSO10578	Active	784254 Brian A. Ragland, P.E.	Certified
8SSO10578	Active	785078 Brian A. Ragland, P.E.	Certified
8SSO10578	Active	792701 Brian A. Ragland	Certified
8SSO10578	Active	792703 Brian A. Ragland	Certified
8SSO10578	Active	793564 Brian A. Ragland	Certified
8SSO10578	Active	793565 Brian A. Ragland	Certified
8SSO10578	Active	795594 Brian A. Ragland	Certified
8SSO10578	Active	797174 Brian A. Ragland, P.E.	Certified
8SSO10580	Active	649155 Patrick Sheilds	Certified
8SSO10580	Active	650175 Patrick Sheilds	Certified
8SSO10580	Active	657198 Patrick Sheilds	Certified
8SSO10580	Active	707556 Patrick Sheilds	Certified
8SSO10580	Active	710593 Patrick Sheilds	Certified
8SSO10580	Active	738897 Patrick Sheilds	Certified
8SSO10580	Active	741515 Patrick Sheilds	Certified
8SSO10580	Active	769098 Patrick Sheilds	Certified
8SSO10580	Active	773665 Patrick Sheilds	Certified
8SSO10580	Active	779656 Chris Berch	Certified
8SSO10580	Active	781909 Chris Berch	Certified
8SSO10580	Active	797366 Chris Berch	Certified
8SSO10580	Active	799180 Chris Berch	Certified
8SSO10582	Active	648793 Steve Jaynes	Certified
8SSO10582	Active	651680 Daniel M. DuCasse	Certified
8SSO10582	Active	657576 STEVE JAYNES	Certified
8SSO10582	Active	711532 Daniel M. DuCasse	Certified
8SSO10582	Active	715245 Daniel M. DuCasse	Certified
8SSO10582	Active	721663 Daniel DuCasse	Certified
8SSO10582	Active	725698 Daniel DuCasse	Certified
8SSO10582	Active	731449 Daniel M. DuCasse	Certified
8SSO10582	Active	742072 Daniel M. DuCasse	Certified
8SSO10582	Active	758850 Daniel DuCasse	Certified
8SSO10582	Active	768153 Daniel M DuCasse	Certified
8SSO10582	Active	772457 Daniel M. DuCasse	Certified
8SSO10582	Active	780105 Daniel M. DuCasse	Certified
8SSO10582	Active	782598 Daniel M. DuCasse	Certified
8SSO10582	Active	788765 Daniel M DuCasse	Certified
8SSO10582	Active	789467 Daniel M DuCasse	Certified
8SSO10582	Active	798758 Daniel M. DuCasse	Certified
8SSO10583	Active	646183 Brian Jones	Certified

Utilities Manager
Utilities Manager
Utilities Manager
Utilities Manager
Utilities Manager
Utilities Manager
Utilities Manager
Utilities Manager, City of Huntington Beach
Utilities Manager, City of Huntington Beach
Utilities Manager
Utilities Manager
Utilities Director
City of Huntington Beach Utilities Manager
City of Huntington Beach Utilities Manager
City of Huntington Beach Utilities Manager
Utilities Manager, City of Huntington Beach
Utilities Manager
Utilities Manager, City of Huntington Beach
Utilities Manager, City of Huntington Beach
Utilities Manager, City of Huntington Beach
Utilities Manager, City of Huntington Beach
Utilities Manager, City of Huntington Beach
Utilities Manager, City of Huntington Beach
Executive Mgr of Operations
Executive Manager of Operations
Executive Manager of Operations
Executive Manager of Operations
Executive Manager of Operations
Executive Manager of Operations
Executive Manager of Operations
Executive Manager of Operations
Executive Manager of Operations
Manager of Planning & Environmental Compliance
Manager of Planning & EC
Manager of Planning & EC
Manager of Planning & EC
Collections Supervisor
Sewer Systems Supervisor
COLLECTIONS SUPERVISOR
Sewer Systems Supervisor
Sewer Systems Supervisor
Sewer Systems Supervisor
Sewer Systems Supervisor
Sewer System Supervisor
Sewer System Supervisor
Sewer Systems Supervisor
Sewer Systems Supervisor
Sewer Systems Supervisor
Sewer Operations Manager
Sewer Operations Manager
Sewer Operations Manager
Sewer Operations Manager
Sewer Operations Manager
Water and Sewer Manager

City Huntington Beach	109264
City Huntington Beach	833846
City Huntington Beach	284408
City Huntington Beach	296863
City Huntington Beach	526264
Huntington Beach Utilities Yard	254749
Huntington Beach Utilities Yard	682854
City's Utilities Office	781785
City of Huntington Beach Utilities Yard	452553
City of Huntington Beach Utilities Yard	880845
City of Huntington Beach Utilities Yard	924355
City of Huntington Beach Utilities Yard	250197
City of Huntington Beach Utilities Yard	256760
City of Huntington Beach Utilities Yard	802234
City of Huntington Beach Utilities Yard	362930
City of Huntington Beach Utilities Yard	988852
City of Huntington Beach Utilities Yard	436372
City of Huntington Beach Utilities Yard	746677
City of Huntington Beach Utilities Yard	341794
City of Huntington Beach Utilities Yard	975954
City of Huntington Beach Utilities Yard	522502
City of Huntington Beach Utilities Yard	741755
City of Huntington Beach Utilities Yard	120281
City of Huntington Beach Utilities Yard	456377
IEUA	670869
IEUA	769667
IEUA Headquarters	538278
IEUA	210148
IEUA Headquarters	867467
IEUA	999775
IEUA Headquarters Bldg. B	242713
IEUA HQ - Chino	176138
6075 Kimball Avenue, Chino, CA 91708 - IEUA Headquarters	856697
6075 Kimball Ave., Chino CA	880178
Chino	603102
Chino, CA	882592
Rancho Cucamonga	363876
JCSD	239424
	16:23
11201 HARREL ST	103881
Mira Loma, CA	906122
	194145
	11:25
	902209
	16:25
	164828
	13:22
	613763
	16:28
	941616
	16:02
	467028
	9:06
	542482
	13:26
	735862
	16:07
	559808
	10:39
	100787
	14:24
	114767
	15:11
	881468
	14:16
	400434
	9:37
	965933
	658
	296323

6-Jan-10		8-Feb-10	2/3/2011
10-Jun-10	6/10/2010	11-Jun-10	2/3/2011
13-Aug-10	8/13/2010	17-Aug-10	2/2/2011
27-Sep-10	9/27/2010	27-Sep-10	2/2/2011
5-Jan-11	1/5/2011	6-Jan-11	2/2/2011
13-Apr-11	4/22/2011	25-Apr-11	4/25/2011
13-Apr-11	4/22/2011	25-Apr-11	4/25/2011
20-Jun-11	6/22/2011	22-Jun-11	6/22/2011
11-Oct-11	10/24/2011	29-Nov-11	11/29/2011
24-Oct-11	11/29/2011	29-Nov-11	11/29/2011
21-Nov-11	11/29/2011	29-Nov-11	11/29/2011
29-Nov-11	11/30/2011	30-Nov-11	11/30/2011
20-Mar-12	3/20/2012	28-Mar-12	3/28/2012
18-May-12	5/29/2012	31-May-12	5/31/2012
30-May-12	5/30/2012	31-May-12	5/31/2012
26-Jun-12	6/26/2012	29-Jun-12	6/29/2012
27-Jul-12	7/27/2012	31-Jul-12	7/31/2012
13-Aug-12	8/13/2012	13-Aug-12	9/28/2012
18-Mar-13	3/25/2013	30-Apr-13	4/30/2013
18-Mar-13	3/18/2013	29-Mar-13	3/29/2013
22-Apr-13	4/22/2013	30-Apr-13	4/30/2013
22-Apr-13	4/22/2013	30-Apr-13	4/30/2013
14-Jun-13	6/25/2013	26-Jun-13	6/26/2013
24-Jul-13	7/26/2013	29-Jul-13	7/29/2013
10-Apr-07		18-Apr-07	4/18/2007
7-May-07		7-May-07	5/7/2007
11-Sep-07		12-Sep-07	9/12/2007
12-Nov-07		12-Nov-07	1/31/2011
2-Jan-08		2-Jan-08	1/2/2008
10-Jun-09		11-Jun-09	1/31/2011
20-Jul-09		20-Jul-09	7/20/2009
28-Jul-11	7/28/2011	8-Aug-11	8/8/2011
1-Dec-11	12/1/2011	13-Dec-11	12/13/2011
5-Apr-12	4/5/2012	16-Apr-12	4/16/2012
5-Jun-12	6/5/2012	5-Jun-12	6/5/2012
30-Jul-13	7/31/2013	31-Jul-13	7/31/2013
26-Sep-13	9/27/2013	27-Sep-13	9/27/2013
3-Apr-07		19-Apr-07	4/19/2007
12-Jun-07		12-Jun-07	1/31/2011
17-Sep-07		19-Sep-07	9/19/2007
22-Jan-08		22-Jan-08	1/22/2008
24-Mar-08		4-Apr-08	4/4/2008
7-Jul-08		7-Jul-08	7/7/2008
3-Sep-08		26-Sep-08	9/26/2008
5-Jan-09		26-Jan-09	1/26/2009
30-Jul-09		20-Aug-09	8/20/2009
22-Nov-10	11/22/2010	30-Nov-10	11/30/2010
5-Jul-11	7/5/2011	20-Jul-11	7/20/2011
27-Oct-11	10/27/2011	27-Oct-11	10/27/2011
16-Apr-12	4/16/2012	20-Apr-12	4/20/2012
27-Jun-12	6/27/2012	27-Jul-12	7/27/2012
4-Dec-12	12/4/2012	11-Jan-13	1/11/2013
27-Dec-12	12/27/2012	8-Feb-13	2/8/2013
12-Sep-13	9/12/2013	1-Oct-13	10/2/2013
24-Jan-07		24-Jan-07	3/1/2011

Category 3	75	55
Category 3	50	50
Category 3	10	10
Category 3	50	50
Category 1	2000	1500
Category 1	500	200
Category 3	300	300
Category 1	2100	1800
Category 3	50	50
Category 1	500	500
Category 1	700	700
Category 1	750	0
Category 3	250	0
Category 1	100	50
Category 3	25	25
Category 3	35	35
Category 3	50	50
Category 1	450	0
Category 3	125	125
Category 3	100	0
Category 3	150	150
Category 3	5	5
Category 3	375	375
Category 3	750	750
Category 3	75	75
Category 1	1500	700
Category 2	10000	10000
Category 1	47869	31079
Category 3	500	200
Category 2	2000	2000
Category 1	2500	800
Category 2	6000	1500
Category 2	28600	0
Category 1	80646	1800
Category 3	6	0
Category 3	3	3
Category 3	19	19
Category 3	25	
Category 1	2050	2000
Category 2	4800	4800
Category 1	1000	300
Category 1	10000	8000
Category 3	100	0
Category 2	1500	1500
Category 3	100	80
Category 1	16000	14000
Category 3	55	55
Category 3	100	100
Category 3	80	0
Category 2	5000	5000
Category 1	300000	275000
Category 1	8000	7000
Category 1	1620	100
Category 2	2000	600
Category 3	10	0

0 No	No
0 No	No
0 No	No
0 No	No
2000 Yes	Yes
300 Yes	Yes
0 No	No
300 Yes	Yes
0 No	No
1 Yes	Yes
1 Yes	Yes
750 Yes	Yes
0 No	Yes
50 Yes	Yes
0 No	No
0 No	No
0 No	No
450 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
No	No
200 Yes	No
0 No	No
16790 Yes	Yes
No	No
0 No	Yes
500 Yes	Yes
0 No	No
0 No	No
50000 Yes	Yes
0 No	No
0 No	No
0 No	No
No	No
50 No	Yes
0 No	No
500 Yes	Yes
2000 Yes	Yes
0 No	No
0 No	No
0 No	No
16000 Yes	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
25000 Yes	No
1000 Yes	Yes
1520 Yes	Yes
0 No	No
0 No	No

[illegible]

1415 Delaware St.
18782 Beach Blvd, Huntington Beach, CA 92648
15936 Mariner Cir.
Taco Bell
Cascade
16122 Parkside Lane Huntington Beach
852 Adams Avenue Huntington Beach
Rancho Huntington Mobile Home Park
Huntington Harbour Yacht Club
8431 Yorktown Ave.
8431 Yorktown Ave.
Intersection of Ellis and Gothard Avenues
Sewer siphon at intersection of Beach Boulevard and Adams Avenue
5021 Caspian Circle
7872 Stark Drive
City of Huntington Beach Senior Center
18600 Florida Street
17220 Pacific Coast Highway
10361 Monitor Drive
Beach Operations- City-Owned Public Restroom Facility
10361 Monitor Drive
16082 Malaga Lane
Huntington Beach Central Park- West
8421 Yorktown Avenue
Grove Ave. & Eighth St. - IEUA Trunk 18 Gravity VCP
NRWS Philadelphia Street & Carlos Avenue - NRWS Manhole Overflow
NRWS Philadelphia Street between RP-1 Access Road and Vineyard Ave.
Chino Hills Parkway @ Monte Vista Avenue
Prado Park Interceptor - Manhole No. 2 (Pine & El Prado)
Montclair Interceptor Sewer Manhole (Philadelphia & Town Square)
8th Street NRWS Manhole Overflow
San Bernardino Avenue Sewage Lift Station
NRWS (Sierra & Slover) - Union Pacific Railroad Discharge
San Bernardino Sewage Lift Station
NRWS (Jurupa & Buena Vista) - Union Pacific Railroad Discharge
NRWS - Philadelphia Street east of Vineyard Avenue
NRWS - Philadelphia Street east of Vineyard Avenue
9813 57th Street
7470 CHRISTINE AVENUE
EAST SIDE OF 7602 KIRBY STREET
Glen Avon, CA
Van Buren Boulevard, North of Clay Street
Novak Street
Clay Street Lift Station
6686 36th Street, Riverside, CA 92509
Hall Avenue at Gannet Street
6048 Etiwanda Avenue
Lucretia Avenue
9371 53rd Street
River Road Lift Station
58th Street at Pyrite Creek
Paradise Knolls Golf Course
I/S Lakeside Drive and Camino Real
Lakeside Drive - IHGC
1100 La Presa Drive

33.670028	-117.993264 Orange
33.689692	-117.988125 Orange
33.727842	-118.081586 Orange
33.683364	-117.983386 Orange
33.73957	-117.99731 Orange
33.72872	-117.99141 Orange
33.67211	-117.98938 Orange
33.6824	-117.95432 Orange
33.71218	-118.06159 Orange
33.67972	-117.98082 Orange
33.67972	-117.98082 Orange
33.69356	-117.99725 Orange
33.67155	-117.98752 Orange
33.7382	-118.04115 Orange
33.72735	-117.99111 Orange
33.66809	-118.0098 Orange
33.68801	-117.99101 Orange
33.71183	-118.06317 Orange
33.67942	-117.94711 Orange
33.6603	-117.99923 Orange
33.67942	-117.94711 Orange
33.72885	-117.98628 Orange
33.70202	-118.00633 Orange
33.67964	-117.98111 Orange
34.092	-117.628787 San Bernardino
34.033834	-117.606255 San Bernardino
34.033834	-117.60625 San Bernardino
33.982361	-117.700417 San Bernardino
33.950137	-117.662831 San Bernardino
34.03355	-117.683798 San Bernardino
34.09190456	-117.5535178 San Bernardino
34.076848	-117.505914 San Bernardino
34.061917	-117.435694 San Bernardino
34.076848	-117.505914 San Bernardino
34.048115	-117.500131 San Bernardino
34.033974	-117.606506 San Bernardino
34.033974	-117.606495 San Bernardino
33.983333	117.497222 Riverside
34	-117 Riverside
34	117 Riverside
34.013889	117.489444 Riverside
33.968611	117.4675 Riverside
34.018889	117.433056 Riverside
33.969444	117.461667 Riverside
34.011667	117.430833 Riverside
33.939444	-117.603611 Riverside
33.97893	-117.52351 Riverside
33.97614	-117.53212 Riverside
33.99089	-117.48867 Riverside
33.9315	-117.60551 Riverside
33.98277	-117.48901 Riverside
33.97395	-117.49486 Riverside
33.982417	-117.452972 Riverside
33.98095	-117.46083 Riverside
33.9423	-117.95442 Orange

[illegible]

A four inch sewer lateral had an offset in the pipe under the city sidewalk. This section of the homeowners sewer lateral is City main line had a blockage in front of 18782 Beach Blvd, the sewage spill was at intersection of Constantine Dr. and B City main line had blockage caused by debris in line. City Crew cleared blockage, contained spill in street gutter, and did c In parking lot

Ground water and sand infiltrated through two bottom crack 8 inch sewer line causing a blockage.

16122 Parkside Lane Huntington Beach

852 Adams Avenue - 200 feet east of intersection with Beach Boulevard in Huntington Beach

Public sewer cleanout in sidewalk.

Single family residential area

Single family residential area.

Multi family residential area.

Municipal Park

Arterial street in single family residential area.

Slightly southeast of the Ely Basins. Northwest corner of the Whispering Lakes Golf Course.

Philadelphia Street between RP-1 Access Road and Vineyard Ave, north of RP-1

Damage to an Non-Reclaimable Wastewater System (NRWS) pipeline, which conveys non-sewage wastewater discharge

100' East of manhole on dirt road

DIRT ROAD AND PRIVATE RESIDENTS YARD

Private Property and Paved Street to Storm Channel

Vacant Property - Manhole between Union Pacific Railroad Tracks and Van Buren Boulevard

Vacant field between Novak Street and Scenic Drive

Lift Station

Backyard of 6686 36th Street is location of manhole that overflowed. Spill flowed into property at 3708 Edgehill Drive.

Unimproved drainage channel where Hall Avenue (unimproved) and Gannet Street (unimproved) would intersect. Area is Manhole in intersection of Etiwanda Avenue at Milky Way Drive on West side of the intersection.

Manhole in center of intersection

Cleanout in middle of paved street.

River Road Lift Station - Lift Station Wetwell

Two manholes in easement in Pyrite Creek on 58th Street between Cedar Street and Big Meadow Road, enter from the C On Paradise Knolls Golf Course, Approximately 100 feet West of 17th Tee

Lakeside Drive & Camino Real (east side of the intersection)

Unimproved drainage channel East of Indian Hills Golf Course, Hole 17, Manhole behind 5911 Grinnel Drive

Spilled occurred on Hillside but corresponds to the address of 1100 La Presa Drive

s the responsibility of the City of Hunting
each Blvd. City crew cleared blockage, a
complete clean-up. We also C.C.T.V.ed

from Union Pacific Railroad, was disco

1

remote and best access is through hom

edar Street side of 58th Street

1

Building or structure
Gravity sewer
Gravity sewer
Other (specify)
Gravity sewer
Manhole
Other (specify)
Other (specify)
Other sewer system structure
Manhole
Manhole
Manhole
Manhole
Manhole
Other sewer system structure
Other sewer system structure
Manhole
Manhole
Manhole
Building or structure
Manhole
Other sewer system structure
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Pump station;Other (specify)
Gravity sewer
Manhole;Pump station
Gravity sewer
Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Gravity sewer
Force main or pressure sewer
Manhole
Pump station
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Other sewer system structure
Pump station
Manhole
Force main or pressure sewer
Gravity sewer;Manhole
Manhole
Manhole

A motor home dumped it's holding tank in the parking lot.

Ground water and sand infiltrated through two bottom crack 8 inch sewer line causing a blockage.

City contractors working on a sewer siphon replacement project 200 feet east of the intersection of Beach Blvd. and Adar

Clean-out

4 Cleanout

City of Huntington Beach Manhole No. 7343

City of Huntington Beach Manhole No. 7341

City of Huntington Beach Manhole No. 5874

Public sewer cleanout in sidewalk.

Sanitary sewer cleanout on City-owned property.

City of Huntington Beach Sanitary Sewer Manhole No. 5957

Manhole No. 7469 in the City's collection system.

Manhole No. 7469 in the City's sewer collection system.

Sewer clean out on house lateral

City Sewer Manhole No. 5190.

City-owned Sanitary Sewer Manhole No. 7343

Pump #1 2-inch Air Relief Line

BLOCKAGE IN PIPE

MANHOLE AND PRIVATE RESIDENTS CLEAN-OUT

Air Vacuum Release Valve in Manhole Structure on Force Main

Release was from a Vactor debris tank that accidentally opened during wetwell cleaning operations.

Manhole in backyard of vacant property.

Manhole next to unimproved drainage channel.

End of line cleanout.

Pump 5 Mechanical Seal Leak

Overflow from two manholes occurred simultaneously. Manhole numbers 3144 and 3145 on JCSD Atlas Map.

Regional Lift Station Force Main, On Paradise Knolls Golf Course, Approximately 100 feet West of 17th Tee

M/H 2916 - Pipe segment number E2155, Quad H-13

Building or structure
 Street/curb and gutter
 Street/curb and gutter
 Other paved surface
 Unpaved surface
 Other paved surface
 Other (specify below)
 Other paved surface
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Surface water
 Other (specify below)
 Unpaved surface
 Other (specify below)
 Other paved surface
 Other (specify below)
 Other (specify below)
 Unpaved surface
 Surface water;Unpaved surface;Other (specify below)
 Other paved surface;Unpaved surface
 Surface water;Other (specify below)
 Unpaved surface
 Separate storm drain;Street/curb and gutter
 Storm drain;Street/curb and gutter;Surface water;Unpaved surface
 Unpaved surface;Other (specify below)
 Other (specify below)
 Other paved surface;Unpaved surface;Other (specify below)
 Other (specify below)
 Other (specify below)
 Other (specify below)
 Unpaved surface
 Separate storm drain;Other (specify below)
 Other (specify below)
 Storm drain;Street/curb and gutter;Unpaved surface
 Surface water
 Unpaved surface
 Unpaved surface;Other (specify below)
 Unpaved surface;Other (specify below)
 Unpaved surface;Other (specify below)
 Separate storm drain;Street/curb and gutter
 Separate storm drain;Street/curb and gutter
 Other paved surface;Street/curb and gutter
 Unpaved surface
 Surface water;Unpaved surface;Other (specify below)
 Separate storm drain;Surface water;Unpaved surface;Other (specify below)
 Separate storm drain;Street/curb and gutter;Surface water;Unpaved surface
 Drainage Channel;Unpaved surface
 Street/curb and gutter

55 gallons of sewage was put back into the city sewer system and 20 gallons was absorbed into the soil. This soil was re-

In the gutter on Garfield

Lost 2000 gals Bolsa Chica Wetlands and recovered 1500 gals all wash water was put back into the City sewer system.

Wintersburg Channel

Spill was localized to underground excavation area. No sewage was on street or sidewalk surface.

Storm water flow in the Talbert Channel, the receiving storm water channel, is diverted to an Orange County Sanitation District OCSD WWTP

The spill entered the City's storm drain system that flows into the County of Orange Adams Avenue Storm Water Pump Station

The spill entered the City's storm drain system that flows into the County of Orange Adams Avenue Storm Water Pump Station

Fenced and secured City-owned storm water detention basin.

Spill entered catch basin 443CBN001 which flows to the Adams Flood Control Pump Station. At the time of the spill, the 50 gallons Orange County Sanitation District Waste Water Reclamation Plant 50 gallons through 400 feet of storm drain

Entire spill and washwater volume was vacuumed and returned to City collection system.

Spill volume (35 gallons) and washwater/cleanup water were vacuumed up and returned to the sanitary sewer collection system

Spill volume (50 gallons) and washwater/cleanup water were vacuumed up and returned to the sanitary sewer collection system

Southwest portion of Huntington Harbor extending over a distance of approximately 750 feet from the public boat launch

Spill volume returned to Collection System

Sand area directly adjacent to remote restroom facility.

Spill volume was returned to City sewer collection system.

The five gallons of sewage was absorbed by the dirt containment berm. It was collected and disposed of in the City's grit chamber

In low spot in grassy area adjacent to City Manhole No. 5190, approximately 25 feet from manhole. Spill and wash water

Sewage and washwater was collected and returned to City sewer collection system.

A majority of the spill was quickly absorbed into the surrounding dirt. A small amount, 200 gallons, overflowed into the Wintersburg Channel. All overflow was captured and placed back into the collections system.

The overflow first flowed onto the street and then to a dirt embankment. Some of the flow breached the dirt area and entered the Wintersburg Channel.

Recovered spill volume was sent to IEUA's Regional Plant No. 4 for treatment. Spill was contained on site and within an area of

Soil surrounding the underground NRWS pipeline break

Spill was contained within paved and unpaved areas immediately adjacent to the manhole. All recovered spill volume was contained

Soil surrounding a damaged section of an underground NRWS (Non-Reclaimable Wastewater System) pipeline

Spill was fully-contained and cleaned up.

Spill was fully-contained and cleaned up.

CATCH BASIN

FINAL DESTINATION WAS APPROX. 500' FROM MAN HOLE ALONG CURB & GUTTER NEAR CATCH BASIN

Santa Ana River and unlined drainage channel extending from spill site to Santa Ana River.

Spill percolated into soil.

Spill remained onsite and was cleaned up. No flow off-site. No storm drain or waterway impact.

Dirt yard at 6686 36th Street and 3708 Edgehill Drive.

Unimproved drainage channel that housing tracts discharge to. The area is remote and mostly on private property (fenced in)

Overflow from manhole flowed down North side of Milky Way Drive to catch basin on the corner of Milky Way Drive and 36th Street

Area next to lift station is a low area that is designed to capture surface runoff and allows for percolation, no drains from area. Pyrite Creek - some urban water runoff ponding in streambed and mostly dry creek bed with limited vegetation, grass and

Spilled on golf course property, entered drainage system for golf course that leads to the Santa Ana River

From the south/east side of the intersection of Lakeside Drive & Camino Real, sewage flowed into a storm drain curb-out.

Unimproved drainage channel

12/16/2009 13:00	12/16/2009 14:05	12/16/2009 14:30	12/16/2009 16:00
6/4/2010 8:30	6/4/2010 8:45	6/4/2010 9:00	6/4/2010 9:30
8/9/2010 16:30	8/9/2010 16:35	8/9/2010 16:45	8/9/2010 16:50
9/24/2010 11:30	9/24/2010 11:45	9/24/2010 12:10	9/24/2010 11:31
12/27/2010 8:00	12/27/2010 8:15	12/27/2010 8:45	12/27/2010 14:00
3/28/2011 14:07	3/28/2011 14:07	3/28/2011 14:17	3/28/2011 14:57
3/31/2011 14:30	3/31/2011 14:45	3/31/2011 14:55	3/31/2011 15:00
5/9/2011 7:30	5/9/2011 8:49	5/9/2011 9:30	5/9/2011 10:55
10/9/2011 7:50	10/9/2011 8:00	10/9/2011 8:20	10/9/2011 8:50
10/13/2011 7:00	10/13/2011 7:15	10/13/2011 7:25	10/13/2011 8:10
10/24/2011 6:45	10/24/2011 6:50	10/24/2011 7:00	10/24/2011 7:13
10/28/2011 7:45	10/28/2011 7:50	10/28/2011 7:55	10/28/2011 8:15
2/22/2012 13:30	2/22/2012 13:35	2/22/2012 13:40	2/22/2012 13:45
4/22/2012 12:10	4/22/2012 12:20	4/22/2012 12:40	4/22/2012 13:00
4/24/2012 8:00	4/24/2012 8:03	4/24/2012 8:20	4/24/2012 8:25
5/7/2012 12:00	5/7/2012 12:20	5/7/2012 12:30	5/7/2012 12:35
6/27/2012 9:15	6/27/2012 9:30	6/27/2012 9:40	6/27/2012 9:50
8/10/2012 20:30	8/10/2012 20:18	8/10/2012 20:45	8/10/2012 21:00
3/15/2013 10:50	3/15/2013 11:00	3/15/2013 11:15	3/15/2013 11:25
2/18/2013 12:00	2/19/2013 6:30	2/19/2013 7:00	2/19/2013 7:00
3/24/2013 11:00	3/24/2013 11:05	3/24/2013 12:05	3/24/2013 12:15
3/27/2013 7:40	3/27/2013 7:45	3/27/2013 7:55	3/27/2013 7:40
5/18/2013 12:00	5/18/2013 12:05	5/18/2013 12:30	5/18/2013 15:00
6/13/2013 7:15	6/13/2013 7:30	6/13/2013 7:35	6/13/2013 7:45
3/6/2007 13:50	3/6/2007 13:50	3/6/2007 13:50	3/6/2007 14:50
5/2/2007 9:17	5/2/2007 9:16	5/2/2007 9:45	5/2/2007 9:22
9/9/2007 16:00	9/9/2007 16:10	9/9/2007 17:00	9/9/2007 16:21
11/7/2007 8:12	11/7/2007 8:14	11/7/2007 8:20	11/7/2007 8:50
12/11/2007 7:30	12/11/2007 7:50	12/11/2007 8:00	12/11/2007 7:55
6/6/2009 15:40	6/6/2009 15:52	6/6/2009 15:52	6/6/2009 16:15
7/15/2009 8:24	7/15/2009 9:10	7/15/2009 9:15	7/15/2009 9:15
7/25/2011 7:35	7/25/2011 10:20	7/25/2011 10:20	7/25/2011 10:26
5/1/2006 0:00	11/28/2011 11:30	11/28/2011 11:30	11/28/2011 11:30
4/3/2012 1:00	4/3/2012 1:30	4/3/2012 1:30	4/3/2012 1:45
5/8/2012 0:00	5/8/2012 10:00	5/8/2012 10:00	5/8/2012 10:00
7/21/2013 15:20	7/21/2013 15:20	7/21/2013 15:55	7/21/2013 15:55
8/31/2013 10:35	8/31/2013 10:35	8/31/2013 11:15	8/31/2013 11:15
3/27/2007 1:25	3/27/2007 2:10	3/27/2007 1:20	3/27/2007 2:00
6/7/2007 6:40	6/7/2007 6:40	6/7/2007 7:01	6/7/2007 9:35
9/16/2007 10:30	9/16/2007 11:54	9/16/2007 12:30	9/16/2007 2:30
1/21/2008 14:00	1/21/2008 20:40	1/21/2008 21:02	1/21/2008 22:00
3/24/2008 10:15	3/24/2008 10:15	3/24/2008 10:15	3/24/2008 11:30
6/13/2008 14:00	6/13/2008 14:45	6/13/2008 15:10	6/13/2008 15:25
9/3/2008 12:05	9/3/2008 12:05	9/3/2008 12:05	9/3/2008 12:06
12/30/2008 12:00	1/5/2009 11:15	1/5/2009 11:30	1/5/2009 12:15
7/29/2009 12:30	7/29/2009 13:45	7/29/2009 13:45	7/29/2009 13:52
11/22/2010 6:00	11/22/2010 6:05	11/22/2010 6:30	11/22/2010 7:18
7/4/2011 20:00	7/4/2011 20:05	7/4/2011 20:30	7/4/2011 20:37
10/27/2011 13:20	10/27/2011 13:20	10/27/2011 13:20	10/27/2011 13:21
4/15/2012 4:45	4/15/2012 8:40	4/15/2012 8:40	4/15/2012 8:42
6/25/2012 18:30	6/25/2012 18:30	6/25/2012 18:30	6/25/2012 23:15
12/3/2012 14:40	12/3/2012 14:54	12/3/2012 15:00	12/3/2012 15:13
12/25/2012 10:11	12/25/2012 10:11	12/25/2012 10:16	12/25/2012 11:05
9/6/2013 8:00	9/7/2013 10:45	9/7/2013 11:05	9/7/2013 12:03
1/23/2007 9:45	1/23/2007 9:45	1/23/2007 9:55	1/23/2007 9:55

Pipe structural problem/failure
Debris-General
Debris-General
Vandalism
Pipe structural problem/failure
Other (specify below)
Pipe structural problem/failure
Grease deposition (FOG)
Debris-Rags
Debris-General
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Debris-General
Debris-General
Debris-Rags
Pump station failure
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Debris-General
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Debris-Rags
Other (specify below)
Pump station failure
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Root intrusion
Vandalism
Root intrusion
Root intrusion
Vandalism
Vandalism
Other (specify below)
Vandalism
Other (specify below)
Other (specify below)
Other (specify below)
Pump station failure
Root intrusion
Pump station failure
Vandalism
Pipe structural problem/failure
Other (specify below)
Root Intrusion
Root intrusion

The Wastewater Section was first informed of this incident on 12/16/09. The City of Huntington Beach Wastewater Section

Ground water and sand infiltrated through two bottom crack 8 inch sewer line causing a blockage.

The blockage was caused by accumulation of mineral deposits (due to the presence of groundwater) at the joints. This led

Food Service Establishments in the proximity have discharged grease into the City sewer collection system

The blockage was likely caused by debris and rags that had collected at the sewer lateral. Cooking grease may have aggravated the blockage. Plastic water bottles, trash and debris was found in the pipeline.

Non-dispersable paper products appeared to be the cause of this blockage.

An electrical component of the sanitary sewer lift station failed without advanced warning. Electrical power within the station was lost. Calcium build-up in line.

Septic/holding tank partially overflowed due to malfunctioning septic/holding tank level sensor.

The blockage was caused by several components. Calcium build-up in sewer line decreased line capacity. FOG compounds

Large volume of paper towels recovered from sewer main. Most likely flushed into collection system from adjacent public

IEUA contractor reported that a rock fell on the 18" clay pipe during a cave-in of an excavated construction area.

CSDLAC (County Sanitation Districts of Los Angeles County) technician accidentally dropped glass sample container into the pipeline. The blockage occurred at the 90° bend in the pipeline.

In June 2007, the Chino Hills Parkway pipeline was taken out of service for scheduled construction activities. The flow in

Failed gasket on the sealed manhole lid along the pressurized line which had been damaged due to high pressure in the line

Damage to an NRWS pipeline by a 4-inch utility conduit was discovered during preventative maintenance (CCTV) monitoring. Equipment failure occurred on the primary and backup communication processors.

Centrifuge dewatering activity during normal operation had produced excess foam that surcharged from the NRW sewer lift station

Centrifuge dewatering activity during normal operation had produced excess foam that surcharged from the NRW sewer lift station

Vandal attempted to steal Air Vacuum Release Valve from force main in a manhole. The damage caused in the attempt (the valve was destroyed). Vandals dropped debris into manhole blocking flow.

Vector operator error.

Manhole cover was stolen and debris (bricks and metal flexible conduit) were thrown into manhole, partially blocking flow

The SSO occurred during an operational test to verify adequate collection system detention time for planned repairs at the

Mechanical plug installed in sewer for new construction of sewer main and building. Most of flow related to a faulty toilet vent. Lift station primary and back-up level control systems failed. Lift Station pump also partially clogged.

Pump 5 Mechanical Seal assembly failed, causing sewage to leak from pump.

Vandals unbolted manhole cover with security bolts, removed cover and dumped concrete, logs, rocks, carpet, wood and debris. Corrosion on Cement Mortar Lined - Cement Mortar Coated Steel Pipe

Internal pipe corrosion on a short piece of steel pipe over a water main allowed grease to accumulate on the pipe and block flow. Roots entered manhole joints and blocked sewer main

Lower Lateral
Main
Main
Other (specify below)
Main
Main
Other (specify below)
Main
Lower Lateral
Main
Main
Main
Main
Main
Main
Lower Lateral
Lower Lateral
Lower Lateral
Other (specify below)
Main
Other (specify below)
Main
Lower Lateral
Main
Main

the monitoring manhole, subsequently obstruct

Main

Main

Other (specify below)
Main
Main
Main
Main
Gravity Mainline

Other (specify below)

removed bolts) caused the sewage release.

Main
Other (specify below)
Other (specify below)
Main
Main
Other (specify below)
Main
Other (specify below)
Main
Main
Main
Manhole
Main

The Wastewater Section was first informed of this incident on 12/16/09. The City of Huntington Beach Wastewater Section

Someone dumped their motor home holding tank.

Ground water and sand infiltrated through two bottom cracks 8 inch sewer line causing a blockage.

Failure was identified by City contractors working in an adjacent excavation site. Leak appeared where siphon crossed the

Sanitary Sewer Lift Station

N/A This is a remote restroom facility that has a septic/holding tank. It is not part of the City of Huntington Beach collection

Root intrusion in City-owned portion of house lateral

City sewer main just downstream of public restroom in municipal park.

stopping any flow through the pipeline. CSDLAC technician notified IEUA staff one minute before the manhole began to overflow

Pump Station

Manhole

Vector debris tank.

Manhole.

Lift Station

Pump 5

Downstream of manhole 3144.

On Regional Lift Station Force Main

on C.C.T.V'ed the sewer late

4 Clay
8 clay
8 clay

3 road.

8 Clay
8 VCP
6 VCP
8 VCP
6 VCP
8 VCP
8 VCP
8 VCP
8 VCP
8 VCP
4 PVC
8 VCP
8 VCP

on system and its operation

8 VCP
8 VCP
4 VCP
8 VCP
8 VCP

ow.

8 VCP
8 VCP
27 VCP
10 VCP

No

8 VCP
12 VCP
27
27

8 CLAY
8 Clay
18 Steel
6 VCP

6 VCP
10 VCP
8 VCP

6 VCP

No

21 VCP
18 Steel
8 D I
8 PVC
8 VCP

25
60
50

50
45
45
45
40
50
50
40

40
30
45
60

50

50

40
40

5
5
13
30

45

31

40
2

40

50
35
50

40

The City of Huntington Beach Wastewater Section did the clean up and the contaminated debris was vacuumed up and

City Wastewater Crew replaced a two ft. section of line and also lined another six ft to seal all the leaks. Also the complet
The City of Huntington Beach Utilities Division Wastewater Section provided site support control and clean up. The City's
A temporary by-pass pumping system, complete with SCADA monitoring capabilities, was installed in the manhole at this

In addition to above spill response activities, replaced 2 foot section of sewer pipe likely damaged by construction activities

The City Environmental Specialist was notified to investigate cause of grease blockage. A CCTV inspection was performed

Manager of facility will be contacted and advised of proper disposal of non-dispersable products.

Sewer lift station electrical repair made and station put back into service. Two vacuum trucks were immediately dispatched
Used hydrojetting to clean pipe.

Septic/holding tank level sensor operation is being inspected on a more frequent schedule to ensure proper operation of the
Mechanically cleaned portions of the line and videotaped line to ensure all calcium buildup was removed.

Constructed clean out on sewer main to allow more direct access to problem area in the future. Put location on enhanced

Spoiled dirt was hauled off and set aside for proper disposal.

The spill was completely contained and captured before reaching the Cucamonga Creek Flood Control Channel.
Response to the manhole overflow was immediate. An earthen berm was immediately constructed to stop flow to the drain

Immediately notified Union Pacific Railroad (UPRR) to cease discharge until the pipeline is repaired. UPRR is the only dis

Immediately notified Union Pacific Railroad (UPRR) to cease discharge until the pipeline is repaired. UPRR is the only dis

REMOVED APPROX. 85 YARDS OF SOIL (JCSD WILL BE IMPORTING 85 YARDS OF SOIL)

Flushed unlined drainage channel with 18,000 gallons of potable water and recovered 100% of flow. Removed contaminants
Clean-up of spill site included soil removal. Installed bolt-down cover to prevent vandalism. Installed bumper posts to main

Vacuumed sewage and debris from manhole. Cleaned sewers with hydrojetter. Vacuumed up standing water in yard. Disinfect
Flushed drainage channel with 84,000 gallons of potable water and recovered all the flush and remaining wastewater and
Placed sand bags at storm drain catch basin. Vacuumed excess water from sewer. Disinfected street, curb and catch basin
Repaired and upgraded level control systems, cleared obstruction from pump.

Cleaned up debris in street that came in contact with sewage. Disinfected street with bleach.

Cleaned up and disinfected spill area. Also pumped remaining stormwater that was in containment basin that had become
Created containment dams to prevent overflow from reaching the Santa Ana River. Utilized the District's Vactors and the
Contained spill by sealing drain pipes. Closed force main valves to immediately stop flow. Flow was diverted to flow equal
Once first responders were onsite, secured I/S with traffic control measures for public safety, attempted to contain flow at
Reconstructed manhole, removed trees that were the source of the roots in the manhole.

Responded to the down stream of the overflow with containment socks. All flow was captured by crews. Jetted line and (

12/28/2010 2:00
3/28/2011 14:57

5/9/2011 11:35

10/13/2011 10:00
10/24/2011 15:00
10/28/2011 10:15
2/23/2012 10:31
4/22/2012 18:50

8/11/2012 22:00

5/2/2007 11:30
9/9/2007 22:30
11/7/2007 14:30

6/6/2009 19:00
7/15/2009 11:30
7/25/2011 13:45
12/1/2011 16:00
4/3/2012 13:30

6/7/2007 9:35
9/24/2007 5:00
1/22/2008 10:00
3/26/2008 16:00

9/3/2008 17:30

8/11/2009 0:00

4/15/2012 18:00
7/14/2012 12:00
1/10/2013 17:00
12/25/2012 16:00
9/25/2013 16:30

Plan rehabilitation or replacement of sewer;Repaired sewer
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Plan rehabilitat

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement act

Plan rehabilitation or replacement of sewer
Repaired sewer
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement act
Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)
Repaired sewer
Other (specify below)

Other (specify below)
Other (specify below)
Other (specify below)
Repaired sewer;Other (specify below)
Other (specify below)

Other (specify below)
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program
Repaired sewer;Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)
Other (specify below)
Plan rehabilitation or replacement of sewer;Repaired sewer
Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program;Inspected Sewer Using CCTV to Determine Cause;Repaired Facilities

City Wastewater Crew replaced a two ft. section of line and also lined another six ft to seal all the leaks. Also the complet

Inspection of failed electrical component will be made to determine cause of failure. Review of similar components and t

This spill was an accident the no prior action could have predicted the outcome. This was not a preventative maintenance
IEUA intends to modify the structure to allow access for cleaning.

IEUA will implement a modified protocol for reintroducing flows to pipelines after downtime. Inspection of the lines to ider

A third standby pump at the Montclair Lift Station was actuated. Flows were redirected to the Carbon Canyon Water Recl:
As a corrective measure, IEUA closed the discharge valve at the RRI Etiwanda Generating Station connection and re-rou
Repaired Pump #1 2-inch Air Relief Line

A contractor immediately started emergency repairs on the pipeline. Repair of the line was completed on 12/1/11.

The Distributed Control System (DCS) was evaluated and tested before the station was placed back online. IEUA is revie

WELDED (2) MANHOLES SHUT TO HELP PREVENT FUTURE VANDALISM

Replaced bolts that couple air vacuum release valve to force main and returned to service. Will investigate additional sec

Operator who caused spill was disciplined and remaining operators were counseled to prevent a similar error.

The District will raise grade of overflow manhole to prevent future overflows. The District is modifying the inlet to the Cha

Pump removed from service. Pump taken to factory authorized service center for repairs.

Removed debris from sewer. Replaced manhole covers with GMI Composite Covers with special locks that require a spe
Force Main is scheduled for replacement next year.

Manhole structure replaced.

No
No

No

Yes
Yes
No
Yes
No

Yes

No
No
No

No
No
No
No
No

No
Yes
No
Yes

No

Yes

Yes
No
No
Yes
No

N/A
N/A
N/A

N/A
N/A
None
N/A
N/A
N/A
N/A
N/A
N/A
None
N/A
N/A
N/A
N/A
N/A
N/A

No detrimental environmental effects to the immediate area was found during visual inspection.
No impact. Did not reach a surface water.
No adverse impacts to receiving water were observed.

It could not be determined how much overflow reached Day Creek. Flows went into a storm drainpipe (underground) and

No visual impact.
Minimal solids to unlined channel.

No solids observed in drainage channel.
None

Crayfish, frogs and turtles still alive two days after overflow. Environmental assessment conducted by Tom Dodson & Associates. Santa Ana River appeared normal. No evidence that an SSO had occurred.

No
No

No

No
No
No
No
No

Yes

No
No
No

No
No
No
No
No

No
No
No
Yes

No

Yes

No
Yes
Yes
Yes

N/A
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None

NA
NA
NA

NA
NA

NA
N/A
NA
N/A

N/A

NA
None

N/A

None

Bolsa Chica Wetlands

None

None

None, Talbert Channel contents are diverted back to sanitary sewer system during the dry season.

None

None

None

None

None

None

None

None

None

Approximately 750 feet of the eastern portion of Huntington Harbor.

None

N/A

None

None

None

None

West Cucamonga Channel, Cucamonga Creek Flood Control Channel.

NA

Chino Creek

Day Creek (a concrete-lined channel)

N/A

NA

Did not reach surface water

Not applicable, did not reach surface water

N/A

NA

N/A

NA

Santa Ana River, Unlined drainage channel from spill site to Santa Ana River

N/A

NA

None

N/A

N/A

Pyrite Creek

Santa Ana River

Unlined storm drain channel which flows into a private lake behind 5881 El Palomino Drive

No water quality samples taken

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Biological indicator(s) - specify below

Other chemical indicator(s) - specify below

No water quality samples taken;Not applicable to this spill

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

No water quality samples taken

Other chemical indicator(s) - specify below

No water quality samples taken

Other chemical indicator(s) - specify below

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Not applicable to this spill

Not applicable to this spill

No water quality samples taken;Not applicable to this spill

Biological indicator(s) - specify below

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below

N/A

Water quality samples taken by Mike Fennessy of OC Health Agency on 8/11/12 and 8/12/12 for verification of compliance

Ammonia as N samples were taken upstream and downstream of the spill site.

TOC, NH3, TSS, Turbidity, Total Coliform

B, Ca, Cl, COD, F, Total Hardness, Mg, NH3-N, Si, TDS, TSS

The section of the NRWS pipeline conveys only permitted discharge from UPRR. Soil samples were collected at the line
General Mineral, General Physical, TOC sent with written report to RWQCB

Bacteria

Total and fecal coliforms, Enterococcus Bacteria.

Total and Fecal Coliform in River, Upstream and Downstream of spill site.

Total and Fecal Coliform in Channel & Private Lake Upstream and Downstream of entry point.

County Health Agency
None of the above

No water quality samples taken

Not applicable to this spill
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
Not applicable to this spill

County Health Agency

Regional Water Quality Control Board
None of the above
Regional Water Quality Control Board

No water quality samples taken
Regional Water Quality Control Board
No water quality samples taken
None of the above
Regional Water Quality Control Board

Not applicable to this spill
None of the above
None of the above
County Health Agency;Regional Water Quality Control Board

None of the above

None of the above

None of the above
County Health Agency;Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board

N/A

Sample summary and photographs of sample site attached.

Water Quality Results reported to Regional Board, Santa Ana Region
Results reported to County Health Agency and Regional Board. County Health Agency provided approval to stop sampling.

See attached picture and calculation - Wetted area was measured with an estimated depth of 0.3 inches to get volume.

g.

Visual observation of spill area, visual observation of overflowing manhole flow rate, volume recovered, volume of washc

Sep-79	12/16/2009 15:11
103425	6/4/2010 10:40
104759	8/9/2010 18:20
105748	9/24/2010 14:45
Oct-59	12/27/2010 18:15
112004	3/28/2011 15:40
112101	4/1/2011 10:00
112863	5/9/2011 15:00
116009	10/9/2011 10:48
116108	10/13/2011 10:45
116327	10/24/2011 9:20
116433	10/28/2011 9:35
121036	2/22/2012 14:24
122397	4/22/2012 18:50
122438	4/24/2012 14:33
122719	5/7/2012 13:30
123743	6/27/2012 12:57
124714	8/11/2012 0:31
131599	3/15/2013 13:34
131053	2/19/2013 15:00
131786	3/24/2013 18:45
131857	3/27/2013 13:03
133020	5/18/2013 16:29
133588	6/13/2013 10:42
72690	5/3/2007 10:00
75521	9/10/2007 9:00
76860	11/7/2007 10:00
94192	6/6/2009 20:09
95019	7/15/2009 11:35
121949	4/3/2012 4:34
73472	6/7/2007 11:23
75642	9/16/2007 4:28
80603	1/21/2008 23:20
82286	3/24/2008 12:28
86450	9/3/2008 13:58
95326	7/28/2009 15:32
107013	11/22/2010 9:05
114015	7/4/2011 22:32
116418	10/27/2011 15:17
122234	4/15/2012 10:45
123697	6/25/2012 19:08
127382	12/3/2012 16:30
127897	12/25/2012 13:11

Bonita Fan, Sr. Env. Comp. Off

9099931716

Daniel M. DuCasse

9516606973

8SSO10583	Active	649773 Brian Jones	Certified
8SSO10583	Active	707169 Brian Jones	Certified
8SSO10583	Active	707637 Jerry Vilander	Certified
8SSO10583	Active	708238 Brian Jones	Certified
8SSO10583	Active	710450 Jerry Vilander	Certified
8SSO10583	Active	712682 Steve Garcia	Certified
8SSO10583	Active	712939 Brian Jones	Certified
8SSO10583	Active	720095 Steve Garcia	Certified
8SSO10583	Active	721656 Steve Garcia	Certified
8SSO10583	Active	723696 Steve Garcia	Certified
8SSO10583	Active	724882 Brian Jones	Certified
8SSO10583	Active	724885 Steve Garcia	Certified
8SSO10583	Active	730956 Brian Jones	Certified
8SSO10583	Active	733994 Brian Jones	Certified
8SSO10583	Active	741695 Steve Garcia	Certified
8SSO10583	Active	744931 Brian Jones	Certified
8SSO10583	Active	753833 Steve Garcia	Certified
8SSO10583	Active	754759 Brian Jones	Certified
8SSO10583	Active	755894 Steve Garcia	Certified
8SSO10583	Active	760202 Brian Jones	Certified
8SSO10583	Active	766862 Brian Jones	Certified
8SSO10583	Active	767446 Brian Jones	Certified
8SSO10583	Active	767702 Brian Jones	Certified
8SSO10583	Active	778202 Brian Jones	Certified
8SSO10583	Active	781019 Brian Jones	Certified
8SSO10583	Active	786668 Brian Jones	Certified
8SSO10583	Active	787629 Brian Jones	Certified
8SSO10583	Active	794630 Brian Jones	Certified
8SSO10583	Active	797476 Brian Jones	Certified
8SSO10583	Active	797478 Brian Jones	Certified
8SSO10583	Active	798079 Brian Jones	Certified
8SSO10583	Active	798857 Brian Jones	Certified
8SSO10585	Active	647476 Jeff Wall	Certified
8SSO10585	Active	651474 Jeff Wall	Certified
8SSO10585	Active	707188 Jeff Wall	Certified
8SSO10585	Active	731825	Ready To Certify
8SSO10585	Active	749184 Jeff Wall	Certified
8SSO10585	Active	751961	Work In Progress
8SSO10585	Active	751974	Submit Draft
8SSO10585	Active	752024 Jeff Wall	Certified
8SSO10585	Active	774758 Mike Gow	Certified
8SSO10585	Active	790991 Mike Gow	Certified
8SSO10585	Active	792373 Mike Gow	Certified
8SSO10585	Active	795332 Mike Gow	Certified
8SSO10587	Active	706894	Ready To Certify
8SSO10587	Active	706895 Wayne D Posey	Certified
8SSO10587	Active	711525 Wayne D Posey	Certified
8SSO10587	Active	728506 Wayne D Posy	Certified
8SSO10587	Active	747444 Wayne D Posey	Certified
8SSO10587	Active	747933 Wayne D Posey	Certified
8SSO10587	Active	748892 Wayne D Posey	Certified
8SSO10587	Active	750465 Wayne D Posey	Certified
8SSO10587	Active	756864 Wayne D Posey	Certified
8SSO10587	Active	757959 Wayne D Posey	Certified
8SSO10587	Active	769945 Wayne D Posey	Certified

Water and Sewer Manager
Water and Sewer Manager
Manager
Water and Sewer Manager
Water/Sewer Manager
Senior Service Worker
Water and Sewer Manager
Senior Service Worker
Senior Service Worker
Senior Service Worker
Water and Sewer Manager
Senior Service Worker
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Senior Service Worker
Water and Sewer Manager
Senior Service Worker
Water and Sewer Manager
Steve Garcia
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Water and Sewer Manager
Asst GM/Chief Engineer
Asst. Gen. Mgr./Chief Engineer
Asst. Gen. Mgr.

Asst Gen Mgr/Chief Engineer

Asst. GM/Chief Engineer
AGM/Chief Engineer
AGM/Chief Engineer
AGM/Chief Engineer
AGM/Chief Engineer

Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
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Director of Wastewater Operations
Director of Wastewater Operations

	711	748523
	719	811085
230 pm		329518
	706	770117
	9:30 AM	755708
City of La Habra		944704
	636	459569
City of La Habra		196102
City of La Habra		338876
City of La Habra		448115
	654	199615
City of La Habra		885480
	650	452769
	622	294604
City of La Habra		277449
	640	256032
City of La Habra		922477
	630	827873
City of La Habra		919425
	822	869472
	1600	676332
	737	339189
	610	162392
	845	186805
	737	809187
	947	496190
	820	495130
	710	311008
	1435	493545
	1455	794860
	1100	465684
	845	362287
LHMWD		481005
LHMWD		993952
LHMWD Office		516614
LHMWD		683497
LHMWD Office		415655
Hemet, CA		550336
Hemet, CA		955610
Hemet, CA		919504
Hemet, CA		310185
Irvine, Ca		471100
Irvine, Ca		597637
Irvine, Ca.		420366
Irvine, Ca.		468111
Irvine, ca		129711
Irvine, ca		780990
Irvine,Ca.		208199
Irvine, Ca		102404
Irvine, ca		649396
Irvine, Ca		511094

24-Apr-07		24-Apr-07	3/1/2011
5-Nov-07		6-Nov-07	3/1/2011
13-Nov-07		14-Nov-07	11/14/2007
27-Nov-07		29-Nov-07	3/1/2011
27-Dec-07		31-Dec-07	12/31/2007
11-Feb-08		14-Feb-08	8/19/2008
14-Feb-08		14-Feb-08	3/1/2011
23-Jun-08		19-Aug-08	8/19/2008
7-Jul-08		7-Jul-08	8/19/2008
28-Jul-08		19-Aug-08	8/19/2008
19-Aug-08		19-Aug-08	3/1/2011
19-Aug-08		19-Aug-08	8/19/2008
22-Dec-08		6-Jan-09	3/1/2011
23-Feb-09		1-Mar-11	3/1/2011
22-Jul-09		22-Jul-09	7/22/2009
22-Sep-09		22-Sep-09	3/1/2011
23-Jun-10	6/23/2010	23-Jun-10	6/23/2010
12-Jul-10	7/12/2010	12-Jul-10	3/1/2011
9-Aug-10	8/9/2010	9-Aug-10	8/9/2010
5-Jan-11	1/5/2011	5-Jan-11	1/5/2011
24-May-11	5/24/2011	24-May-11	5/24/2011
14-Jun-11	6/14/2011	14-Jun-11	6/14/2011
22-Jun-11	6/22/2011	22-Jun-11	6/22/2011
1-Mar-12	3/1/2012	1-Mar-12	3/1/2012
8-May-12	5/8/2012	8-May-12	5/8/2012
27-Sep-12	9/27/2012	27-Sep-12	9/27/2012
29-Oct-12	10/29/2012	29-Oct-12	10/29/2012
31-May-13	5/31/2013	31-May-13	5/31/2013
1-Aug-13	8/1/2013	1-Aug-13	8/1/2013
1-Aug-13	8/1/2013	1-Aug-13	8/1/2013
21-Aug-13	8/21/2013	21-Aug-13	8/21/2013
18-Sep-13	9/18/2013	18-Sep-13	9/18/2013
28-Feb-07		12-Mar-07	3/12/2007
7-Jun-07		7-Jun-07	6/7/2007
5-Nov-07		5-Nov-07	11/5/2007
13-Jan-09			
8-Feb-10		9-Feb-10	2/9/2010
26-Apr-10			
26-Apr-10			
28-Apr-10		28-Apr-10	4/28/2010
27-Dec-11	12/27/2011	27-Dec-11	12/27/2011
30-Jan-13	1/30/2013	30-Jan-13	1/30/2013
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
10-Jun-13	6/10/2013	10-Jun-13	6/10/2013
31-Oct-07			
31-Oct-07		12-Nov-07	2/2/2011
22-Jan-08		29-Jan-08	2/2/2011
27-Oct-08		27-Oct-08	2/2/2011
10-Dec-09		10-Dec-09	12/10/2009
29-Dec-09		29-Dec-09	12/29/2009
28-Jan-10		2-Feb-10	2/2/2010
10-Mar-10		10-Mar-10	2/2/2011
16-Sep-10	9/16/2010	16-Sep-10	10/6/2010
20-Oct-10	10/20/2010	20-Oct-10	10/20/2010
18-Aug-11	8/18/2011	18-Aug-11	8/18/2011

Category 3	105	105
Category 3	75	75
Category 3	500	500
Category 3	15	15
Category 1	130	0
Category 3	105	105
Category 3	40	40
Category 3	20	20
Category 3	10	10
Category 1	500	100
Category 3	5	5
Category 3	30	30
Category 3	30	30
Category 3	30	30
Category 3	2	2
Category 3	35	35
Category 3	5	5
Category 3	40	40
Category 1	1125	0
Category 3	5	5
Category 3	1	1
Category 3	200	0
Category 3	75	0
Category 3	10	10
Category 1	100	90
Category 3	10	10
Category 3	800	800
Category 3	200	200
Category 3	840	630
Category 2	1050	1000
Category 3	300	300
Category 3	90	90
Category 3	400	
Category 1	1775	25
Category 3	1	1
Category 1	550	0
Category 1	2100	20
Category 3	700	0
Category 3	700	0
Category 3	700	0
Category 3	130	130
Category 3	300	0
Category 3	50	0
Category 3	20	0
Category 1	100	50
Category 1	100	50
Category 1	1100	500
Category 1	1675	400
Category 3	450	0
Category 3	56	0
Category 3	100	0
Category 1	1750	1750
Category 1	1000	400
Category 3	200	200
Category 3	165	165

90

0 No	No
0 No	No
0 Yes	No
0 No	No
130 Yes	Yes
0 No	No
0 No	No
0 Yes	Yes
0 Yes	Yes
400 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
1125 Yes	Yes
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
10 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
No	No
1750 Yes	Yes
No	No
550 No	Yes
2080 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
50 Yes	No
50 Yes	No
600 Yes	Yes
1275 No	Yes
0 No	Yes
0 No	Yes
0 No	No
1450 Yes	Yes
600 Yes	Yes
0 No	Yes
0 No	Yes

[illegible]

Monte Vista and Highlander intersection
La Habra BL. / Monte Vista
Hacienda Rd./ Russell St.
1327 W. Whittier
840 N. HARBOR
731 MAPLE STREET
330 KEENE DRIVE
710 GREENWAY TERRACE
150S.Wallace St.
710 Beach Bl.
Manhole
Manhole
1700 Stearns Ave
530 Clifton St.
INTERCEPTOR
Manhole
Gregory Lane/ Parsons
Manhole
Manhole
Intersection of Silliker and Edgemont
Florence Court
Concourse Sewer Spill
Walnut and Imperial
S. Cypress
Imperial and Harbor
841 E. Whittier Blvd.
La Habra and Monte Vista
Beach and Lambert , James Hardware
Westridge Golf Course
Westridge Golf Course
Pebble Beach and Riviera
Riviera Court
362 Tabby Ln. Manhole
201 S. Yale/1995 E. Florida
Hemet Valley RV
El Nita Lane
40917 Whittier Ave.
Lake Hemet Campground 1, Space 207
Lake Hemet Campground Space #207
Lake Hemet Campground Space #207
Stanford/Briarwood
Investor Place
Dartmouth Middle School
Lake Hemet Campground
11 Halstead Terrace Irvine Ca.
11 Halstead Terrace Irvine Ca.
Parkwood Apartments
Irvine Center Drive/Culver
2 Liberty Street (Cross streets Fabriano and Florence)
233 Stanford Court
23 Iron Bark
Bryan and Colonial
In tht intersection of Stone Creek and Sandpiper.
Via San Marco
4732 Royce Road

33.93563	-117.95456 Orange
33.93183	-117.95488 Orange
33.933333	117.95 Orange
33.94037	-117.96225 Orange
33.933333	117.916667 Orange
33.933333	117.933333 Orange
33.916667	-117.95 Orange
33.933333	117.95 Orange
33.933333	117.966667 Orange
33.916667	117.966667 Orange
33.93467	-117.95746 Orange
33.933333	117.966667 Orange
33.93352	-117.92804 Orange
33.916667	117.97 Orange
33.92981	-117.93214 Orange
33.933341	-117.950037 Orange
33.93653	-117.97565 Orange
33.93212	-117.94114 Orange
33.93369	-117.96221 Orange
33.94118	-117.96369 Orange
33.93374	-117.93972 Orange
33.9393	-117.93163 Orange
33.91739	-117.95481 Orange
33.92628	-117.9421 Orange
33.9153	-117.93291 Orange
33.93967	-117.93728 Orange
33.93182	-117.954851 Orange
33.92424	-117.96732 Orange
33.911171	-117.970463 Orange
33.911171	-117.97046 Orange
33.907977	-117.950065 Orange
33.90796	-117.9501 Orange
33.758057	116.92555 Riverside
33.746113	116.950005 Riverside
33.74726	116.93823 Riverside
33.746389	116.958333 Riverside
33.736944	-116.946389 Riverside
33.668239	-116.675311 Riverside
33.668333	-116.675278 Riverside
33.668333	-116.675278 Riverside
33.745444	-116.932528 Riverside
33.738833	-116.957417 Riverside
33.74035	-116.936508 Riverside
33.666667	-116.678333 Riverside
33.639722	117.816667 Orange
33.639722	-117.816667 Orange
33.660544	-117.804989 Orange
33.692088	-117.796546 Orange
33.7152	-117.77206 Orange
33.655919	-117.840753 Orange
33.668394	-117.821847 Orange
33.714647	-117.774447 Orange
33.685036	-117.802281 Orange
33.644902	-117.819239 Orange
33.660167	-117.81547 Orange

in the center of Monte Vista and Highlander intersection
SSO out of Manhole on La Habra Bl. cross St. Monte Vista
Los Angeles County Sanitation Dist. MH
Back entrance of shopping center
City manhole B-11 #1187 on an easement behind a condo complex
Overflow accured from manhole # 1067 AT THE END OF A CULDY SACK ST.
Manhole
City manhole B-9 MH #1084
Discharged from basement at 150 S .Wallace
Private Clean out

Surcharged from MAP PAGE # C-12 MH # 1863

Surcharged from a interceptor
Manhole

Surcharged from manhole.

manhole on Cypress St.

Manhole at corner of Tabby Ln. and Calico, (end of line) Hemet, California 92544
Private lateral clean-out for Whispering Pines Apts & Private lateral clean-out for Altura Credit Union
RV sewer holding tank cap became lodged in 4 sewer cleanout at 4 lateral connection to public sewer

Spill at manhole at the intersection of Whittier Ave. and Gene St.
Spill occurred on a camp site lateral in front of Space #207 just upstream from the blockage.
Spill occurred at clean out on lateral to camp site space #207
Spill surfaced on clean out on lateral at camp site #207
Intersection of Stanford and Briarwood
Cleanout at end of mainline in backyard of residence.

At Space 263 and 264 at the Lake Hemet Campground
End of Halstead Terrace. At the top of the serew line.
End of Halstead Terrace. At the top of the serew line.

Manhole in the intersection of Stone Creek South and Sandpiper. Sewer coming from manhole.

Manhole
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer
Other sewer system structure
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Other (specify)
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Other (specify)
Manhole
Other (specify)
Other (specify)
Gravity sewer
Manhole
Other sewer system structure
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Other sewer system structure
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Manhole

SSO caused by debris and grease.

RV trailor

Pumped fom basement
Clean out at private clean out

Interceptor

Manhole #113, Atlas sheet A-4
Gravity clean out

spill appeared at private property clean out

7/8 pick hole on a 36 manhole.
A blockage caused by rags (canvas or bed sheets) and grease in a drop manhole caused sewer to backup in main and sp
4 sewer cleanout
At 2 cleanouts on 2 adjacent laterals

The spill occurred on a 4 cleanout on the lateral to camp site #207.
Spill surfaced at clean out to camp site #207
Spill surfaced at clean out on sewer lateral to camp site space #207

cleanout at end of mainline
lateral cleanout
RV sewer connection at Space 263 and 264.

Clean out at the top of the sewer system

Separate storm drain
Other (specify below)
Storm drain
Street/curb and gutter
Storm drain
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Storm drain
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Street/curb and gutter
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Storm drain
Other paved surface
Street/curb and gutter
Separate storm drain
Combined storm drain (combined CS only)
Street/curb and gutter
Separate storm drain
Other paved surface;Street/curb and gutter
Other paved surface;Street/curb and gutter
Other paved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Paved Surface
Street/curb and gutter;Other (specify below)
Storm drain
Other paved surface
Storm drain
Storm drain
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Other paved surface;Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Unpaved surface
Storm drain;Unpaved surface
Storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Other (specify below)
Storm drain
Storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter

Returned to sewer system.

Recovered and sent back into the sewer system

Flushed and removed with Vactor truck

Recovered and returned to the sewer system.

Captured and returned to sewer system.

Erea drain

Remoed and returned to sewer system.

Recovered overflow and returned to sewer system.

Contained in center gutter and removed with vactor truck and returned to sewer system.

Contained in the street gutter and removed with the Vactor truck and returned to the city sewer system.

Removed with Vactor truck and returned to sewer system.

Removed with vactor truck and returned to the sewer system.

Immediate proximity of manhole.

spill was completely recovered and returned to sewer system

Contained at curb and gutter.

spill was contained in private property parking lot

The spill traveled approximatley 100' down a street, curb and gutter. Then flowed into a catch basin, connected to an enc

Spill entered storm drain system at San Jacinto & Florida Ave.

Sewage surfaced at the sewer cleanout in the middle of a paved driveway

The flow exited the manhole and entered the street which was flooded with stormwater traveling west into the storm drain

The spill pooled up on camp site space #186.

Spill was contained in low spot on space #186

Spill ponded on camp site #207. No standing liquid was found when the sewer system operator arrived on site.

gravel backyard

When staff arrived spill was contained. Back yard drains added to flow in the gutter.

When staff arrived spill was contained. Back yard drains added to flow in the gutter.

Peters Canyon storm channel, staff flush the storm drain system with 6000 gallons, reclaiming a total of 22,500 gallons fr

4/24/2007 7:45	4/24/2007 10:55	4/24/2007 8:00	4/24/2007 8:00
11/2/2007 11:05	11/2/2007 11:32	11/2/2007 11:32	11/2/2007 11:47
11/10/2007 6:30	11/10/2007 6:45	11/10/2007 6:45	11/10/2007 6:45
11/26/2007 3:45	11/26/2007 3:45	11/26/2007 4:10	11/26/2007 3:45
12/26/2007 1:04	12/26/2007 1:30	12/26/2007 1:04	12/26/2007 1:30
2/8/2008 5:05	2/8/2008 5:05	2/8/2008 5:20	2/8/2008 5:40
2/14/2008 10:10	2/14/2008 10:10	2/14/2008 10:20	2/14/2008 10:30
6/22/2008 7:56	6/22/2008 7:56	6/22/2008 8:15	6/22/2008 8:16
7/3/2008 4:00	7/3/2008 4:10	7/3/2008 4:05	7/3/2008 4:10
7/26/2008 12:35	7/26/2008 2:15	7/26/2008 1:00	7/26/2008 2:15
8/18/2008 10:00	8/18/2008 10:10	8/18/2008 10:15	8/18/2008 10:45
8/19/2008 7:45	8/19/2008 7:45	8/19/2008 7:50	8/19/2008 8:00
12/20/2008 9:30	12/20/2008 9:30	12/20/2008 10:00	12/20/2008 10:00
2/23/2009 12:35	2/23/2009 12:35	2/23/2009 12:55	2/23/2009 1:05
7/22/2009 9:50	7/22/2009 9:50	7/22/2009 10:15	7/22/2009 10:15
9/19/2009 1:25	9/19/2009 1:25	9/19/2009 2:00	9/19/2009 2:07
6/23/2010 10:00	6/23/2010 10:00	6/23/2010 10:10	6/23/2010 10:10
7/11/2010 12:30	7/11/2010 12:30	7/11/2010 1:00	7/11/2010 1:40
8/7/2010 9:45	8/7/2010 9:45	8/7/2010 10:15	8/7/2010 10:30
1/4/2011 20:30	1/4/2011 20:42	1/4/2011 21:00	1/4/2011 21:10
5/23/2011 8:50	5/23/2011 8:50	5/23/2011 9:00	5/23/2011 9:00
6/12/2011 18:25	6/12/2011 18:25	6/12/2011 18:50	6/12/2011 18:58
6/21/2011 9:35	6/21/2011 9:35	6/21/2011 9:40	6/21/2011 10:00
2/29/2012 14:45	2/29/2012 14:45	2/29/2012 14:58	2/29/2012 15:09
5/7/2012 10:45	5/7/2012 10:55	5/7/2012 11:00	5/7/2012 11:05
9/20/2012 16:48	9/20/2012 16:50	9/20/2012 17:05	9/20/2012 17:08
10/24/2012 20:00	10/24/2012 20:10	10/24/2012 20:45	10/24/2012 20:52
5/29/2013 9:02	5/29/2013 9:07	5/29/2013 9:15	5/29/2013 9:50
7/26/2013 9:55	7/26/2013 10:00	7/26/2013 10:15	7/26/2013 17:00
7/29/2013 19:10	7/29/2013 19:15	7/29/2013 19:20	7/29/2013 23:00
8/17/2013 12:00	8/17/2013 12:00	8/17/2013 12:35	8/17/2013 12:45
9/17/2013 17:30	9/17/2013 17:30	9/17/2013 18:10	9/17/2013 18:15
2/26/2007 6:30	2/26/2007 10:05	2/26/2007 10:15	2/26/2007 10:30
6/4/2007 19:00	6/4/2007 20:15	6/4/2007 20:20	6/4/2007 21:20
10/26/2007 16:00	10/26/2007 16:40	10/26/2007 17:00	10/26/2007 16:02
1/9/2009 15:30	1/9/2009 15:30	1/9/2009 15:50	1/9/2009 16:25
2/6/2010 12:15	2/6/2010 12:15	2/6/2010 12:15	2/6/2010 13:10
4/10/2010 10:15	4/10/2010 10:20	4/10/2010 10:50	4/10/2010 10:35
4/10/2010 10:15	4/10/2010 10:20	4/10/2010 10:50	4/10/2010 10:35
4/10/2010 10:15	4/10/2010 10:15	4/10/2010 10:50	4/10/2010 10:35
12/24/2011 10:53	12/24/2011 10:58	12/24/2011 11:17	12/24/2011 11:18
12/21/2012 13:10	12/21/2012 14:10	12/21/2012 14:30	12/21/2012 15:10
2/15/2013 14:00	2/15/2013 14:40	2/15/2013 14:50	2/15/2013 14:30
5/26/2013 15:40	5/26/2013 15:49	5/26/2013 16:35	5/26/2013 15:57
10/28/2007 2:28	10/28/2007 2:28	10/28/2007 3:00	10/28/2007 18:00
10/28/2007 2:28	10/28/2007 2:28	10/28/2007 3:00	10/28/2007 18:00
1/19/2008 12:36	1/19/2008 12:36	1/19/2008 1:15	1/19/2008 1:35
10/17/2008 6:58	10/17/2008 7:40	10/17/2008 8:00	10/17/2008 8:05
12/9/2009 16:40	12/9/2009 16:40	12/9/2009 17:00	12/9/2009 18:10
12/23/2009 11:44	12/23/2009 11:44	12/23/2009 12:10	12/23/2009 12:10
1/25/2010 11:14	1/25/2010 11:25	1/25/2010 11:25	1/25/2010 11:25
3/9/2010 8:00	3/9/2010 8:10	3/9/2010 8:10	3/9/2010 8:35
9/15/2010 21:30	9/15/2010 21:30	9/15/2010 22:00	9/15/2010 22:20
10/8/2010 21:30	10/8/2010 21:30	10/8/2010 22:10	10/8/2010 22:10
8/11/2011 18:15	8/11/2011 18:15	8/11/2011 18:40	8/11/2011 19:10

Debris-General
Debris-General
Other (specify below)
Other (specify below)
Root intrusion
Vandalism
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Debris-Rags
Debris-Rags
Debris-Rags
Debris-Rags
Debris-Rags
Root intrusion
Root intrusion
Debris-Rags
Debris-Rags
Debris-Rags
Grease deposition (FOG)
Debris-General
Debris-Rags
Root intrusion
Root intrusion
Root intrusion
Debris-General
Other (specify below)
Debris
Other (specify below)
Debris-General
Debris-Rags
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Debris-Rags
Vandalism
Other (specify below)
Debris-General
Root intrusion
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Root intrusion
Root intrusion
Grease deposition (FOG)
Debris-General
Root intrusion
Root intrusion

Concrete
RV Trailor

Removed an exceesses amount of paper products, paper towels, hand wipe material that looked like it was dumped in the
Hand wipe products and lite roots.

Paper Products hand wipes,paper towels etc.

Resident pumped waste onto the street and gutter.

Paper products, rags

Rags,paper products

Heavy paper products.

Disposable rags.

miscellaneous medicine bottles found in the line.
and grease

Roots and rags

Incomplete manhole construction. Contractor did not complete connection to existing sewer.

Rags (sheets and/or canvas) blocked sewer at a drop manhole.

RV sewer holding tank cap became lodged in 4" sewer cleanout at 4" lateral connection to public sewer

tbd

tbd

A joint on the pipe was found to be misaligned apprxomately 1/2" .

Vandals lifted manhole cover and dumped traffic control sign, level, and rocks.

Vandals opened cleanout lid and placed pine cones.

Root intrusion from a private lateral impacting IRWD's sewer system. Customer was notified and required to make an imr
There is no FSE's discharging into this portion of the sewer. FOG was from residential customers sewer discharges.

Root mass in the shape of a Private lateral removed by staff cleaning IRWD sewer main

Main
Main

Other (specify below)

Main

Main
Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Main
Gravity Mainline

Other (specify below)
Main
Main
Main
Main
Main
Main
Lower Lateral
Main

Main
Main
Main

Main
Main
Main
Main

Spill was the result of a recreational vehicle dump onto surface street

Grease interceptor

Sticks/debris caused blockage in drop sewer manhole.

tbd

tbd

At lateral junction with main.

Pine cones and other debris stuck in cleanout where clog was found to be 2' downstream.

Roots groth into the manhole structure

8 clay
10

8

8 VCP
8

8

8

8 VCP
6 concrete
8 VCP
8 VCP
8 VCP
8 vcp
8 vcp
8 vcp
8 VCP
8 VCP
8 VCP
8 VCP
8 VCP
8 PVC Truss
8 VCP
4 ABS
8 VCP
8 VCP
4 ABS Plastic Pipe
3 ABS
3 ABS
8 VCP
8 VCP
6 VCP
4 ABS
6 clay
6 clay

No

8 VCP
8 vcp

8 VCP

50

45

50

50

50

50

50

50

50

45

20

20

20

420

1

40

42

45

45

41

39

40

57

20

30

1971

1971

responded with containment sock at downstream of catch basin in order to successfully dam up and capture all spill before it

Cleared blockage and returned flow to normal.

Applied disinfectant, washed down, vacuumed up, and returned to sanitary sewer.

Staff removed the blockage and restored the flow. They then applied disinfectant and cleaned up and disinfected again.

Line was vacuumed to clear sand. EMWD was notified of the location of the grease trap for the property.

Cleared blockage restoring normal flow. Disinfected area with bleach and lime. Observed outlet of downstream storm drain

In addition to above, we posted signs and disinfected the area.

Applied disinfectant, cordoned off the area, and posted signs.

Applied disinfectant, cordoned off area, and posted signs.

Disinfected affected area, cordoned off the area, and posted signs.

Removed contaminated debris from backyard. Placed caution signs to backyard for 60 hours. Applied disinfectant.

Added bleach to curb/gutter and lime to grass area. Posted warning signs for 3.5 days.

Staff arrived at 1500 and contained spill. Street was repaved and the manholes weren't brought up to grade. Staff needed

Staff arrived at 1500 and contained spill. Street was repaved and the manholes weren't brought up to grade. Staff needed

11/10/2007 12:30

12/26/2007 3:00

6/22/2008 8:43

7/3/2008 5:30

7/26/2008 0:00

8/7/2010 11:45

6/12/2011 19:48

6/21/2011 11:30

5/7/2012 12:30

7/29/2013 23:00

6/5/2007 0:30

1/12/2009 8:30

2/8/2010 15:30

10/28/2007 18:00

10/28/2007 18:00

1/19/2008 17:30

10/23/2008 14:00

12/9/2009 21:15

3/9/2010 13:00

9/16/2010 23:45

Other (specify below)

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Other (specify b

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

NA

Notified resident, stopped resident , notified and cleaned up area.

increased cleaning frequency

Staff videod sewer to determine if more rags existed upstrea of the blockage.

This segment of sewer was added to the District's Enhanced Maintenance Schedule program requiring a visual inspectic

Additional FOG inspections and periodic CCTV inspections will be performed over the next several months to determine :

No

No

No

No

No

No

No

No

Yes

No

Yes

No

No

No

No

Yes

Yes

No

No

No

No results. Spill was contained before entering

N/A

NA

N/A

NA

NA

No evidence is visible due to the amount of stormwater running in the street.

No sewage reached a receiving water.

NA - Spill did not reach the receiving waters or storm drain.

No

No

No

No

No

Yes

No

No

No

No

Yes

Yes

Yes

No

No

No

No

No

No

No

NA

NA

NA

NA

NA

Seal Beach , the mouth of the San Gabriel to 300 ft. down coast of San Gabriel River.

N/A

NA

NA

NA

NA

NA

NA

N/A

N/A

NA

NA

NA

NA

N/A

NA

NA

NA

N/A

NA

N/A

N/A

N/A

N/A

NA

NA

NA

N/A

Not applicable

N/A

N/A

N/A

NA

NA

Salt Creek

NA

Sand Canyon Wash

Sand Canyon Wash/San Diego Creek

San Diego Creek Channel

NA

Peters Canyon wash

San Diego Creek

N/A

N/A

Other (specify below)

Other (specify below)

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Other (specify below)

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

Other chemical indicator(s) - specify below; Biological indicator(s) - specify below

No water quality samples taken

NA

NA

Bacteria

NA

BOD, TSS, Total Coliform

None of the above

None of the above

None of the above

None of the above

None of the above

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

No water quality samples taken

None of the above

No water quality samples taken

No water quality samples taken

No water quality samples taken

None of the above

None of the above

None of the above

No water quality samples taken

No water quality samples taken

No water quality samples taken

None of the above

None of the above

NA

NA

NA

NA

Samples were collected upsteam, downstream, and the spill terminate point.

85459	7/26/2008 3:40
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104722	8/7/2010 12:00
110062	1/4/2011 23:30

131610	7/26/2013 19:00
134659	7/30/2013 3:28
135085	8/17/2013 16:18

	2/26/2007 16:00
73406	6/5/2007 7:25

90192	1/9/2009 17:01
100993	2/8/2010 6:50

76601	10/28/2007 16:00
76601	10/28/2007 16:00
80567	1/19/2008 15:47
87497	10/17/2008 8:30
98230	12/9/2009 17:38
98544	12/23/2009 15:17
10651	1/25/2010 11:35
101652	3/9/2010 8:48
105561	9/15/2010 23:00
106092	10/8/2010 11:15
114786	8/11/2011 18:54

Brian Jones, Sewer Manager

5629059792

8SSO10587	Active	781131 Wayne D Posey	Certified
8SSO10587	Active	788768 Wayne D Posey	Certified
8SSO10587	Active	798114 Patrick Sheilds	Certified
8SSO10587	Active	798316 Patrick Sheilds	Certified
8SSO10588	Active	645391 Ken Robbins	Certified
8SSO10588	Active	648706 Ken Robbins	Certified
8SSO10588	Active	649833 Ken Robbins	Certified
8SSO10588	Active	706804 Ken Robbins	Certified
8SSO10588	Active	714124 Ken Robbins	Certified
8SSO10588	Active	714485 Ken Robbins	Certified
8SSO10588	Active	714736 Ken Robbins	Certified
8SSO10588	Active	727770 Ken Robbins	Certified
8SSO10588	Active	731393 Ken Robbins	Certified
8SSO10588	Active	741258 Ken Robbins	Certified
8SSO10588	Active	743105 Ken Robbins	Certified
8SSO10588	Active	748746 Ken Robbins	Certified
8SSO10588	Active	758522 Ken robbins	Certified
8SSO10588	Active	759120 Ken Robbins	Certified
8SSO10588	Active	759308 Ken Robbins	Certified
8SSO10588	Active	766962 Ken Robbins	Certified
8SSO10588	Active	769650 Ken Robbins	Certified
8SSO10588	Active	770693 Ken Robbins	Certified
8SSO10588	Active	784595 Ken Robbins	Certified
8SSO10588	Active	793776 Ken Robbins	Certified
8SSO10588	Active	798179 Ken Robbins	Certified
8SSO10590	Active	645986 Ed Burt	Certified
8SSO10590	Active	647700 Ed Burt	Certified
8SSO10590	Active	648011 Ed Burt	Certified
8SSO10590	Active	651088 Ed Burt	Certified
8SSO10590	Active	654509 Ed Burt	Certified
8SSO10590	Active	655408 Ed Burt	Certified
8SSO10590	Active	656962 Ed Burt	Certified
8SSO10590	Active	657518 Ed Burt	Certified
8SSO10590	Active	707520 Ed Burt	Certified
8SSO10590	Active	707855 Ed Burt	Certified
8SSO10590	Active	710750 Ed Burt	Certified
8SSO10590	Active	711737 Ed Burt	Certified
8SSO10590	Active	712244 Ed Burt	Certified
8SSO10590	Active	716592 M Lynch	Certified
8SSO10590	Active	716827 Mike Lynch	Certified
8SSO10590	Active	717291 Mike Lynch	Certified
8SSO10590	Active	718104 Michael Lynch	Certified
8SSO10590	Active	719949 Michael Lynch	Certified
8SSO10590	Active	724337 Mike Lynch	Certified
8SSO10590	Active	725469 Michael Lynch	Certified
8SSO10590	Active	725590 Michael Lynch	Certified
8SSO10590	Active	729247 Mike Lynch	Certified
8SSO10590	Active	730309 Mike Lynch	Certified
8SSO10590	Active	734004 Mike Lynch	Certified
8SSO10590	Active	734439 Michael Lynch	Certified
8SSO10590	Active	737477 Mike Lynch	Certified
8SSO10590	Active	737947 Mike Lynch	Certified
8SSO10590	Active	740755 Ed Burt	Certified
8SSO10590	Active	743893 Ed Burt	Certified
8SSO10590	Active	744995 Mike Lynch	Certified

Director of Wastewater Operations
Director of Wastewater Operations
Executive Director of Operations
Executive Director of Operations
Assistant General Manager
Assistant GM
AGM
Assistant General Manager
Acting General Manager
Action General Manager
Acting General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
General Manager
General Manager
GM
General Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager
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Operations Manager
Operations Manager
Operations Manager
Operation Manager
Operations Manager
operations Manager
Operations Manager
Wastewater Supervisor
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Wastewater Supervisor
Wastewater Supervisor
Wastewater Supervisor
Wastewater Supervisor
Wastewater Supervisor
Wastewater Supervisor
Wastewater Supervisor
Wastewater Supervisor
Operations Manager
Operations Manager
Wastewater Supervisor

Irvine, CA	821718
Irvine, CA	202168
Irvine	646134
Irvine	782187
district office	663798
MCSD	983529
MCSD	330634
MCSD	196050
Midway City Sanitary District	292278
Midway City Sanitary District	806654
Midway City Sanitary District	647778
MCSD	153047
MCSD	232488
MCSD	371044
Midway City Sanitary District	247898
Midway City Sanitary District	446325
MCSD	786172
Midway City Sanitary	351336
Midway city Sanitary	578593
Midway City Sanitary District	788630
MCSD	620062
MCSD	767354
MCSD	587975
MCSD	133224
MCSD	819956
4:00pm	838157
7:45am	834735
12:50pm	380377
	9:34
8:00am	344087
	550734
	9:00 AM
8:25:am	674025
10:45am	958600
	796448
	1:28 PM
11/19/2007 at 8:38 am	205042
11:08am	221679
10:00am	442658
8:52am	521644
	395335
	8:40 AM
	703082
	8:51 AM
3:07 P.M.	119247
	850464
	3:50 PM
	445672
	9:45 AM
	438227
	11:17 AM
	295040
	9:26 AM
	103453
	2:13 PM
1:21pm	671057
	892984
	1:41 PM
	230662
	2:10 PM
	106641
	1:55 PM
11:20 a.m.	339448
1:37 P.M.	502561
	389489
	9:22 AM
	683293
	15:25
11:20 A.M.	812344
	125089

9-May-12	5/9/2012	9-May-12	5/9/2012
5-Dec-12	12/5/2012	5-Dec-12	12/5/2012
22-Aug-13	8/22/2013	23-Aug-13	8/23/2013
29-Aug-13	8/29/2013	29-Aug-13	8/29/2013
10-Jan-07		10-Jan-07	1/10/2007
2-Apr-07		2-Apr-07	4/2/2007
25-Apr-07		25-Apr-07	4/25/2007
30-Oct-07		30-Oct-07	3/29/2011
28-Feb-08		4-Mar-08	3/4/2008
4-Mar-08		4-Mar-08	3/4/2008
11-Mar-08		11-Mar-08	3/11/2008
13-Oct-08		1-Feb-11	2/1/2011
5-Jan-09		1-Feb-11	2/1/2011
15-Jul-09		1-Feb-11	2/1/2011
17-Aug-09		17-Aug-09	8/17/2009
25-Jan-10		25-Jan-10	1/25/2010
15-Nov-10	11/15/2010	15-Nov-10	11/15/2010
6-Dec-10	12/6/2010	6-Dec-10	12/6/2010
13-Dec-10	12/13/2010	13-Dec-10	12/13/2010
31-May-11	5/31/2011	31-May-11	5/31/2011
10-Aug-11	8/10/2011	10-Aug-11	8/10/2011
6-Sep-11	9/6/2011	6-Sep-11	9/6/2011
3-Aug-12	8/3/2012	3-Aug-12	8/3/2012
1-May-13	5/1/2013	1-May-13	5/1/2013
26-Aug-13	8/26/2013	26-Aug-13	8/26/2013
22-Jan-07		1-Feb-07	2/1/2007
6-Mar-07		15-Mar-07	3/15/2007
15-Mar-07		15-Mar-07	3/15/2007
30-May-07		30-May-07	5/30/2007
23-Jul-07		2-Aug-07	8/2/2007
8-Aug-07		16-Aug-07	8/16/2007
7-Sep-07		13-Sep-07	9/13/2007
17-Sep-07		17-Sep-07	9/17/2007
9-Nov-07		9-Nov-07	11/9/2007
19-Nov-07		19-Nov-07	11/19/2007
7-Jan-08		7-Jan-08	1/7/2008
25-Jan-08		25-Jan-08	1/25/2008
4-Feb-08		4-Feb-08	2/4/2008
28-Apr-08		28-Apr-08	4/28/2008
1-May-08		1-May-08	5/1/2008
13-May-08		3-Feb-11	2/3/2011
27-May-08		28-May-08	5/28/2008
20-Jun-08		20-Jun-08	6/20/2008
7-Aug-08		7-Aug-08	8/7/2008
29-Aug-08		29-Aug-08	8/29/2008
2-Sep-08		2-Sep-08	9/2/2008
13-Nov-08		3-Dec-08	12/3/2008
8-Dec-08		10-Dec-08	12/10/2008
24-Feb-09		26-Feb-09	2/26/2009
2-Mar-09		2-Mar-09	4/2/2009
15-May-09		26-May-09	5/26/2009
26-May-09		1-Jun-09	6/1/2009
7-Jul-09		7-Jul-09	7/7/2009
27-Aug-09		27-Aug-09	8/27/2009
24-Sep-09		1-Feb-11	2/1/2011

Category 2	9425	9425
Category 1	2000	1000
Category 2	6800	6800
Category 3	50	50
Category 3	270	270
Category 3	27	
Category 1	225	175
Category 3	90	90
Category 3	50	50
Category 1	40	35
Category 1	168	150
Category 3	200	200
Category 3	75	75
Category 3	100	100
Category 3	100	100
Category 1	500	180
Category 3	50	50
Category 3	100	100
Category 3	50	50
Category 3	25	25
Category 3	10	10
Category 1	100	50
Category 3	50	50
Category 3	50	50
Category 1	20	15
Category 1	150	75
Category 1	25	15
Category 1	810	100
Category 3	100	100
Category 1	75	0
Category 3	30	30
Category 3	500	0
Category 1	600	400
Category 1	40	20
Category 1	66	1
Category 3	150	150
Category 1	100	0
Category 1	600	300
Category 1	350	150
Category 3	100	0
Category 1	600	200
Category 1	200	0
Category 3	25	25
Category 1	10	0
Category 1	100	25
Category 1	150	115
Category 1	25	15
Category 1	300	150
Category 1	120	100
Category 1	150	100
Category 1	61	60
Category 1	200	160
Category 3	340	340
Category 1	150	50
Category 3	50	50

0 No	No
1000 Yes	Yes
0 No	No
0 No	No
0 No	Yes
No	No
50 Yes	Yes
0 No	No
No	No
5 No	Yes
18 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
320 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
50 Yes	Yes
0 No	No
0 No	No
5 Yes	Yes
75 Yes	Yes
10 Yes	Yes
710 Yes	Yes
No	No
75 No	Yes
0 No	No
0 No	No
200 Yes	Yes
20 No	Yes
65 No	Yes
No	No
100 Yes	Yes
300 Yes	Yes
200 Yes	Yes
0 No	No
400 Yes	Yes
200 Yes	Yes
0 No	No
10 Yes	Yes
75 No	Yes
35 Yes	Yes
10 No	Yes
150 Yes	Yes
20 No	Yes
50 No	Yes
1 No	Yes
40 No	Yes
0 No	No
100 No	Yes
0 No	No

Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
No
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe

Michelson Wastewater Recycling Plant - North Interceptor Trunk Main
Matera and Fabriano
MWRP South Sewer Bypass
Portola Hills Lift Station Abandonment
5832 Camphor
9171 Storm
9372 Oasis
6501 Trask Avenue
8142 Westminster Blvd.
Oasis Avenue
12005 Premier Avenue
13072 Edwards Street
14942 Moran St.
7032 Natal
14682 Newland Street
9342 Oasis Avenue
14875 Brookhurst Street
8652 Oasis
9571 Madison Circle
Hefley and Milton
8340 Wells Road
8675 Brooke Drive
6381 Kiowa Road
13841 Richardson Way
14682 Newland Street
Anchorage Apts.
1436 Estelle In., Newport Beach, Ca.
307 Placentia Avenue
1605 Clay St.
1 Baywood Dr., Baywood Apts., Newport Beach, Ca.
2169 Ocean Blvd
207 Evening Canyon
Big Canyon Golf Course
6300 W. Oceanfront, Newport Beach, Ca.
12th and Oceanfront Alley
119 Via Lido Soud
10 BEACON BAY
2550 Bayshore Dr
Yacht Coquette @ Yacht Daphne
Behind 2601 Eastbluff Drive, Newport Beach, Ca.
Ford Rd. 300' East of Jamboree Rd.
3000 E Coast Highway, Newport Beach, Ca.
106 Amethyst Ave., Balboa Is., Ca.
829 Harbor Island Drive, Newport Beach, Ca.
227 Poppy Ave.
Chart House Restaurant, 2801 W PCH, Newport Beach, Ca.
705 Jasmine Ave.
1554 E. Oceanfront
211 32nd St
436 Heliothrope Ave.
949 W. 16th St.
Jamboree Rd. @ Back Bay Dr.
2582 Vista Dr
4th and Marigold
2121 E Coast Hwy

33.846164	-117.838297 Orange
33.718244	-117.772279 Orange
33.661908	-117.839353 Orange
33.673597	-117.636792 Orange
33.755556	118.026667 Orange
33.756444	117.9815 Orange
33.756264	117.965622 Orange
33.76658	-118.01571 Orange
33.75865	117.987525 Orange
33.756036	117.981772 Orange
33.746533	117.853128 Orange
33.772839	118.015869 Orange
33.745508	117.967361 Orange
33.771883	-118.006878 Orange
33.760278	-117.975833 Orange
33.756111	-117.965833 Orange
33.74693	-117.95499 Orange
33.75589	-117.97809 Orange
33.7493	-117.96238 Orange
33.76153	-118.02098 Orange
33.72543	-117.98418 Orange
33.72763	-117.97772 Orange
33.77022	-118.01824 Orange
33.761223	-117.9939 Orange
33.74937	-117.98066 Orange
33.6157	117.907156 Orange
33.630986	117.899958 Orange
33.626278	117.930975 Orange
33.620556	117.914444 Orange
33.615556	117.863889 Orange
33.595572	117.883006 Orange
33.590228	117.867364 Orange
33.618053	117.864425 Orange
33.604722	117.830833 Orange
33.605556	117.916389 Orange
33.615956	117.923831 Orange
33.610122	117.899367 Orange
33.610842	117.910842 Orange
33.616847	117.853056 Orange
33.636944	117.883056 Orange
33.630775	117.874031 Orange
33.599047	117.871844 Orange
33.604772	117.890914 Orange
33.609769	117.8968 Orange
33.591922	117.869131 Orange
33.620175	117.924856 Orange
33.615556	117.889167 Orange
33.597311	117.889711 Orange
33.615111	117.932181 Orange
33.599261	-117.873019 Orange
33.632419	-117.938119 Orange
33.631297	-117.874019 Orange
33.614333	-117.909544 Orange
33.598139	-117.867086 Orange
33.60586	-117.87636 Orange

[illegible]

Business Area

Residential Street

Sewer Main

Parking lot @ Anchorage Apts.
C.N.B. C/O @ P/L
Intersection of Placentia and Flagship

Baywood 1, MHI15-053
Clean out in alley behind house
Hillside in back yard of home
Easement on golf course at Big Canyon Golf Course
Alley behind
12th St @ Oceanfront Alleyt
Clean out in street next to gutter
MANHOLE OVERFLOWING IN STREET
Boat Dock Pump out station on bay behind above address
Manhole @ Yacht Coquette and Yacht Daphne
Behind address between tennis courts.
Ford Rd. 300' East of Jamboree Rd.
Private C/O @ 3000 E Coast Highway
CNB C/O
Ajacent to # 63 Becon Bay
Curb drain infront of 227 Poppy Ave., private C/O in backyard of 227 Poppy overflowed into a yard drain which was piped
Grease Interceptor at Chart House Resturant
C/O beside 705 Jasmine in easment
Private patio drain beside 1554 E. Oceanfront.
House Lateral Cleanout at address
Manhole in driveway.
Cleanout at City yard
Jamboree Road 228' north of Back Bay Drive on the East side of Jamboree Rd.
Alley behind 2582 Vista Dr
Alley between Marigold Ave and Narcissus Ave
Avocado side of 2121 Coast Hwy

I to Poppy Ave.

Gravity sewer
Manhole
Other (specify)
Manhole
Force main or pressure sewer
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Other (specify)
Building or structure
Manhole
Other sewer system structure
Manhole
Manhole
Other (specify)
Other (specify)
Other (specify)
Manhole
Other (specify)
Manhole
Manhole
Manhole
Other (specify)
Other sewer system structure
Other sewer system structure
Building or structure
Other (specify)
Other sewer system structure
Other (specify)
Other (specify)
Manhole
Gravity sewer
Gravity sewer;Manhole
Other sewer system structure
Manhole
Other (specify)

Bypass hose

Pin hole in side of 12 inch Froce main

C.N.B. Clean out

Cleanout

Overlayed Sewer manhole. Came out of ground

Lateral Clean-out

Clean out at property line

Overflowing Manhole

C.N.B. C/O

Porta Potty was tipped over by vandals

Clean out

clean out on boat dock

Private C/O @ 3000 E Coast Highway

Cleanout

MH where boat dock pumpout station transitions to 2 gravity.

Grease Interceptor

C/O

Patio drain

Lateral cleanout located at house property line

Multiple Clean outs in alley

Clean out

Unpaved surface
Separate storm drain;Street/curb and gutter
Unpaved surface;Other (specify below)
Other paved surface
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain
Other paved surface;Storm drain;Street/curb and gutter
Other paved surface;Street/curb and gutter
Storm drain;Street/curb and gutter;Other (specify below)
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Storm drain
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain
Storm drain
Surface water
Street/curb and gutter
Storm drain
Street/curb and gutter
Unpaved surface;Other (specify below)
Surface water
Storm drain
Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain
Surface water
Storm drain
Other (specify below)
Other (specify below)
Storm drain
Other paved surface
Storm drain;Street/curb and gutter;Surface water
Other (specify below)
Surface water
Storm drain
Storm drain;Street/curb and gutter;Surface water
Storm drain
Storm drain;Other (specify below)
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain
Street/curb and gutter

5600 gallons was contained within the boundaries of the Michelson Water Recycling Plant

Cleaned Street, Curb and Gutter, and Storm Drain best we can. Known amount if any recovered from Storm Drain.

Spill reached and entered storm drain, crews tried to clean storm drain unknown amount recovered, but were storm drain empty

Crews clean storm drain to recover the estimated 15 gallons of sewage that had entered.

Crews tried to recover sewage that entered the storm Drain by cleaning it and removing visible sewage. Unknown amount recovered

Newport Harbor at Coast Highway and Newport Blvd

Flowed to gutter, diked, and vacuumed up, then returned to sewer system.

Dammed flow in street at curb to be vacuumed up later

Down hillside in planter with ground cover and bark to long grass field

About 200 gallons made its way to the top of three lakes that capture storm drain water on the golfcourse.

Dammed up in gutter line

Newport bay at lido channel

Green belt behind tennis court.

Storm Drain to detention basin.

Newport Bay

Spill was discharged directly from a catch basin to a heavily overgrown hillside, there was no evidence that the spill made it to the bay

150 gals. to Newport Bay, 150 gals. returned to sewer system.

100 gals. captured and returned to sewer system.

Alley approach at street connector

5/8/2012 13:35	5/8/2012 13:35	5/8/2012 13:40	5/8/2012 14:35
11/30/2012 8:35	11/30/2012 8:40	11/30/2012 9:10	11/30/2012 9:15
8/21/2013 10:32	8/21/2013 10:39	8/21/2013 10:32	8/21/2013 12:35
8/19/2013 10:10	8/19/2013 10:36	8/19/2013 10:25	8/19/2013 10:20
1/9/2007 16:15	1/9/2007 16:15	1/9/2007 16:35	1/9/2007 20:30
3/31/2007 14:00	3/31/2007 14:00	3/31/2007 14:25	3/31/2007 14:27
4/23/2007 13:00	4/23/2007 13:00	4/23/2007 13:10	4/23/2007 13:15
10/29/2007 17:30	10/29/2007 17:35	10/29/2007 18:10	10/29/2007 18:20
2/27/2008 13:25	2/27/2008 13:25	2/27/2008 13:45	2/27/2008 14:00
3/4/2008 11:00	3/4/2008 11:00	3/4/2008 11:10	3/4/2008 11:20
3/8/2008 11:00	3/8/2008 11:00	3/8/2008 11:35	3/8/2008 12:00
10/10/2008 16:15	10/10/2008 16:15	10/10/2008 17:30	10/10/2008 17:45
1/3/2009 15:10	1/3/2009 15:10	1/3/2009 15:40	1/3/2009 15:45
7/15/2009 12:55	7/15/2009 12:55	7/15/2009 13:15	7/15/2009 13:30
8/13/2009 22:50	8/13/2009 22:50	8/13/2009 23:20	8/13/2009 23:30
1/24/2010 11:30	1/24/2010 11:30	1/24/2010 12:20	1/24/2010 12:30
11/13/2010 0:30	11/13/2010 0:30	11/13/2010 1:15	11/13/2010 1:30
12/1/2010 14:20	12/1/2010 14:20	12/1/2010 14:30	12/1/2010 14:40
12/12/2010 12:45	12/12/2010 12:45	12/12/2010 13:15	12/12/2010 13:30
5/29/2011 11:40	5/29/2011 11:40	5/29/2011 12:15	5/29/2011 12:25
8/9/2011 19:19	8/9/2011 19:19	8/9/2011 20:00	8/9/2011 20:45
9/4/2011 17:00	9/4/2011 17:00	9/4/2011 17:40	9/4/2011 18:00
8/2/2012 17:25	8/2/2012 17:25	8/2/2012 18:15	8/2/2012 19:10
12/2/2012 11:35	12/2/2012 11:35	12/2/2012 12:15	12/2/2012 12:30
8/25/2013 20:42	8/25/2013 20:42	8/25/2013 21:10	8/25/2013 21:30
1/16/2007 8:00	1/16/2007 8:00	1/16/2007 8:15	1/16/2007 8:30
3/4/2007 9:17	3/4/2007 0:00	3/4/2007 9:30	3/4/2007 9:30
3/14/2007 13:13	3/14/2007 13:15	3/14/2007 13:20	3/14/2007 13:45
5/27/2007 15:20	5/27/2007 15:20	5/27/2007 15:40	5/27/2007 17:45
7/22/2007 8:30	7/22/2007 8:30	7/22/2007 8:47	7/22/2007 8:45
8/7/2007 9:55	8/7/2007 9:55	8/7/2007 10:10	8/7/2007 11:15
9/3/2007 22:30	9/3/2007 22:30	9/3/2007 23:30	9/3/2007 23:30
9/13/2007 6:20	9/13/2007 6:20	9/13/2007 7:00	9/13/2007 7:20
11/8/2007 8:26	11/8/2007 8:26	11/8/2007 8:36	11/8/2007 0:00
11/18/2007 10:00	11/18/2007 10:22	11/18/2007 11:00	11/18/2007 12:30
12/27/2007 16:31	12/27/2007 16:31	12/27/2007 16:40	12/27/2007 18:40
1/23/2008 9:00	1/23/2008 9:00	1/23/2008 9:10	1/23/2008 10:40
2/2/2008 10:30	2/2/2008 10:30	2/2/2008 11:00	2/2/2008 11:30
4/25/2008 8:20	4/25/2008 8:20	4/25/2008 8:30	4/25/2008 9:30
4/30/2008 2:56	4/30/2008 2:06	4/30/2008 3:15	4/30/2008 3:16
5/12/2008 8:00	5/12/2008 8:00	5/12/2008 8:20	5/12/2008 8:30
5/27/2008 8:30	5/27/2008 8:50	5/27/2008 8:50	5/27/2008 8:50
6/19/2008 3:40	6/19/2008 3:40	6/19/2008 4:00	6/19/2008 4:05
8/6/2008 12:00	8/6/2008 12:05	8/6/2008 12:20	8/6/2008 13:30
8/28/2008 1:28	8/28/2008 1:28	8/28/2008 1:38	8/28/2008 1:48
8/29/2008 5:30	8/29/2008 5:30	8/29/2008 5:45	8/29/2008 6:00
11/11/2008 7:30	11/11/2008 7:30	11/11/2008 8:00	11/11/2008 8:00
12/5/2008 9:00	12/5/2008 9:00	12/5/2008 9:20	12/5/2008 9:30
2/19/2009 22:00	2/19/2009 22:00	2/19/2009 22:30	2/19/2009 0:00
2/27/2009 10:30	2/27/2009 10:30	2/27/2009 11:00	2/27/2009 11:05
5/15/2009 7:30	5/15/2009 7:30	5/15/2009 7:31	5/15/2009 8:30
5/25/2009 12:45	5/25/2009 12:45	5/25/2009 1:05	5/25/2009 1:45
7/6/2009 16:31	7/6/2009 16:31	7/6/2009 17:30	7/6/2009 18:30
8/26/2009 13:29	8/26/2009 13:29	8/26/2009 14:00	8/26/2009 16:00
9/21/2009 1:28	9/21/2009 1:28	9/21/2009 1:45	9/21/2009 1:53

Other (specify below)
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Debris
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Debri-Rags
Debri-Rags
Debri-Rags
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Debris
Root intrusion
Debris
Other (specify below)
Root intrusion
Debris
Debris
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Other (specify below)
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Pipe structural problem/failure

48 VCP trunk sewer main was damaged during construction activities with the Michelson Wastewater Recycling Plant ex CCTV inspection found a 95' Belly in the 8-inch VCP sewer main. Staff will increase the cleaning frequency to ensure pr Bypass hose failure
a concrete blukhead dislodged while a contractor was pumping slurry onto the abandoned gravity sewer, causing wastew:

This is a Residential Sewer line only no FSE's.
Rags

This a residential only, no FSE's are connected to this portion of the basin.

Two pieces of wood left in manhole by paving contractor RJ Noble.

Rags and disposable gloves

Roots and paper
Roots and paper

Bricks from repair made by unknown person blocked pipe.

Private Porta Potty tipped over by vandals.

DEBRIS AND GREASE

Clog in pumpout discharge line, Cause unknown.

A piece of asphalt was found in the line.
And also debris
Build up of Grease, rags and debris at the mouth on the CNB line in the OCSD MH.
Root intrusion with some large paper rags

Main
Main
Other (specify below)
Main

Main

Main
Main
Main

Main
Main
Main
Main
Main
Main
Main
Main
Main

Main
Main
Lower Lateral
Lower Lateral
Main
Main
Lower Lateral
Main
Lower Lateral
Main
Lower Lateral
Main
Main
Main
Lower Lateral

End of the bypassed hose

8 VCP

8 VCP

8 VCP
8 VCP
8 VCP
8 VCP
8 VCP
10 VCP

8 VCP
8 VCP

8 VCP

8 VCP
6 VCP
4 vcp
8 VCP
4 vcp
8 VCP
6 VCP
8 clay
8 vcp
4

4 vcp
8 VCP
8 pvc
8 VCP
8 vcp
8 vcp
10 vcp
4 vcp
2 ABS
8 VCP
6 PVC
4 abs
8 VCP
4 pvc
6 vcp
6 vcp

8 vcp
8 VCP
6 vcp

45

54

40

46

56

50

40

50

40

55

50

35

35

25

40

Mitigated and removed contaminated soil.

Cleaned-up spill area including storm drain to recover spill estimated 5 gallons were not recovered.
Tried cleaning out storm drain, unknown amount if any recovered.

Crew built a berm at storm drain, used hand rods to clear the blockage, added Root X to deter roots and cleaned up capture

Arrived and built containment dam. Called out vactor, for clean up. Cleared blockage of line with hand rods and cleaned up

Dammed flow, cleared blockage, Vacuumed up spill and clean up water.
Broke blockage free raked up bark from hillside. Removed 3 five gallon buckets full of bricks and debris.

Cleaned up area diked by CNBFD and washed and vacuumed gutter from spill to SD inlet

CNBFD diked the spill, CNB Wastewater Crew cleared the blockage and cleaned up the affected area.
CNB Vactor Crew cleaned up Parking lot of debris, high pressure water and vacume.

Built a berm and set up a vactor for containment, cleared blockage, cleaned up street and gutter, CCTVed main, root cut r

Repaired lateral and cleanout.

5/9/2012 14:30
12/3/2012 15:00
8/21/2013 14:30

1/9/2007 20:30

4/25/2007 13:20

3/4/2008 14:00
3/8/2008 13:00

1/25/2010 8:00

9/4/2011 18:45

8/25/2013 21:30
1/16/2007 8:45
3/4/2007 11:30
3/14/2007 14:45

7/23/2007 11:30

9/13/2007 9:00
11/8/2007 9:36
11/18/2007 1:30

1/23/2008 10:40
2/2/2008 11:30
4/25/2008 9:30

5/12/2008 2:30
5/27/2008 9:30

8/6/2008 13:30
8/28/2008 3:00
8/29/2008 10:30
11/11/2008 6:30
12/5/2008 1:00
2/20/2009 12:00
2/27/2009 1:00
5/15/2009 8:30
5/25/2009 3:30

8/26/2009 16:00

Repaired sewer
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Other (specify below)

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer
Repaired sewer

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Other (specify below)
Adjusted schedule/method of preventive maintenance

Other (specify below)

Plan rehabilitation or replacement of sewer
Other (specify below)
Other (specify below)

Added sewer to preventive maintenance program
Other (specify below)
Added sewer to preventive maintenance program

Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Repaired sewer
Added sewer to preventive maintenance program
Other (specify below)
Other (specify below)
Other (specify below)
Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer;Repaired sewer

Repaired and secured bypass hose

All MCSD Forcemains are being replaced project start date 02/12/2007

This portion is in design stage and plans for rehabilitation will occur in 2009

Contact the City of Westminster paving contractor for inspection of all newly paved areas.

Check the main periodically and cleaned the entire main on 8/26/2013.

CCTV line, added Root X and add to reline list if necessary

Used handrods to clear blockage and added root-x to deter roots.

Will CCTV to investigate problem

Will review CCTV

Private Porta Potty, cleaned up street and gutter line.

CCTV to determine plan for correction

Rootcut line, CCTV line, no apparent problems at this time.

Hydrojet at 6 month intervals.

Added root deterrent and CCTV to determine if repairs are needed.

Line is on a monthly maintenance program, CCTV will find any problem areas.

Added rootfoam to line, plan on rootfoaming line yearly

No
No
No

No

No

No
No

No

No

No
No
No
No

Yes

No
No
No

No
No
No

No
Yes

No
No
Yes
No
No
Yes
No
No
No

Yes

Storm Drain pipe entering the Westminster Channel was dry.

None, Cleaned storm drain.

No visual impact seen.

None

Unknown

N/A

N/A

N/A

na

Un noticeable

None

NA

None

NA

NA

None

None found

Hillside absorbed spill no water was visible at the bottom of the hill.

None

NA

None visible

NA

N/A

NA

No
No
No

No

No

No
No

No

No

No
Yes
No
Yes

No

No
No
No

Yes
Yes
No

No
Yes

Yes
No
Yes
No
Yes
No
No
No
No

No

none

N/A

N/a

N/A

NA

Dock area behind 2888 Bayshore Dr.

NA

Newport Harbor at Coast highway and Newport Blvd

NA

n/a

NA

NA

BAY FROM CUTTER RD TO KETCH RD

Bayshores

NA

NA

Harbor Patrol to Bayside Pl. on Newport Harbor

Boat dock area

NA

Dock area in front of Rusty Pelican Restaurant

NA

From G st. to I st. on Bay

NA

NA

NA

NA

N/A

NA

N/A
Peters Canyon Storm Channel
N/A
N/A
none

Westminster Channel

N/a
N/A

Westminster Channel

N/A
N/A
N/A
N/A
N/A
Wintersburg Channel
N/A
N/A
Wintersburg channel
Newport Bay
Back Bay
Newport Harbor

NA

Big Canyon Golf Course lakes
NA
NA

NEWPORT HARBOR
Lido Channel in Newport Bay
Back Bay

NA
Newport Bay

Newport Bay
NA
Newport Bay
NA
From G st. to I st on Bay
NA
NA
NA
NA

N/A
NA

No water quality samples taken;Not applicable to this spill
No water quality samples taken
No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill
No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken
Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken

No water quality samples taken;Not applicable to this spill

No water quality samples taken
Not applicable to this spill
No water quality samples taken

No water quality samples taken
No water quality samples taken
Not applicable to this spill

No water quality samples taken;Not applicable to this spill
Biological indicator(s) - specify below

Biological indicator(s) - specify below
No water quality samples taken
Biological indicator(s) - specify below
No water quality samples taken
Biological indicator(s) - specify below
Not applicable to this spill
Not applicable to this spill
No water quality samples taken
Not applicable to this spill

No water quality samples taken

Biological indicators

Sewage

Total coliform, fecal coliform and enterococcus

Total Coliform, Fecal Coliform, Enterococcus Bacteria

Indicator Bacteria, Enterococcus, Fecal Coliform

No water quality samples taken;Not applicable to this spill
No water quality samples taken
No water quality samples taken

County Health Agency;Regional Water Quality Control Board

None of the above

No water quality samples taken
No water quality samples taken

None of the above

None of the above

None of the above
County Health Agency
None of the above
No water quality samples taken

None of the above

No water quality samples taken
Not applicable to this spill
None of the above

No water quality samples taken
None of the above
None of the above

None of the above
County Health Agency

County Health Agency;Regional Water Quality Control Board
None of the above
County Health Agency
No water quality samples taken
County Health Agency
None of the above
None of the above
No water quality samples taken
No water quality samples taken

None of the above

122760	5/9/2012 10:07
127245	11/30/2012 10:57
135193	8/21/2013 16:57

76651	10/29/2007 18:55
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81907	3/8/2008 13:00
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95026

100636	1/24/2010 13:20
106829	11/13/2010 1:30
107176	
107464	
113248	

115265	9/4/2011 18:45
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127317	12/2/2012 13:00
135289	8/25/2013 21:50

71386	3/4/2007 10:00
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74388	7/22/2007 11:00
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12/27/2007 18:30

2/2/2008 12:00

93690	5/15/2009 9:27
93916	5/25/2009 2:35
	7/6/2009 21:00
95920	8/26/2009 16:05

8SSO10590	Active	745003 Mike Lynch	Certified
8SSO10590	Active	745163 Mike Lynch	Certified
8SSO10590	Active	747474 Mike Lynch	Certified
8SSO10590	Active	749117 Mike Lynch	Certified
8SSO10590	Active	752140 Mike Lynch	Certified
8SSO10590	Active	754414 Mike Lynch	Certified
8SSO10590	Active	756643 Michael Lynch	Certified
8SSO10590	Active	758419 Mike Lynch	Certified
8SSO10590	Active	760070 Mike Lynch	Certified
8SSO10590	Active	763062 Mike Lynch	Certified
8SSO10590	Active	764903 Mike Lynch	Certified
8SSO10590	Active	765040 Mike Lynch	Certified
8SSO10590	Active	768206 Mike Lynch	Certified
8SSO10590	Active	770422 Mike Lynch	Certified
8SSO10590	Active	776157 Mike Lynch	Certified
8SSO10590	Active	778416 Mike Lynch	Certified
8SSO10590	Active	779675 Mike Lynch	Certified
8SSO10590	Active	780015 Mike Lynch	Certified
8SSO10590	Active	780907 Michael Lynch	Certified
8SSO10590	Active	785334 Mike Lynch	Certified
8SSO10590	Active	785471 Michael Lynch	Certified
8SSO10590	Active	786387 Mike Lynch	Certified
8SSO10590	Active	786843 Michael Lynch	Certified
8SSO10590	Active	788310 Mike Lynch	Certified
8SSO10590	Active	790843 Michael Lynch	Certified
8SSO10590	Active	793398 Michael Lynch	Certified
8SSO10590	Active	796210 Michael Lynch	Certified
8SSO10590	Active	798525 Michael Lynch	Certified
8SSO10590	Active	798972 Michael Lynch	Certified
8SSO10590	Active	800928	Work In Progress
8SSO10591	Active	645536 gene estrada	Certified
8SSO10591	Active	646182 Bob Von Schimmelmman	Certified
8SSO10591	Active	646657 Bob Von Schimmelmman	Certified
8SSO10591	Active	646696 Bob Von Schimmelmman	Certified
8SSO10591	Active	648790 bob vonschimmelmman	Certified
8SSO10591	Active	650241 Bob Von Schimmelmman	Certified
8SSO10591	Active	650761 Bob Von Schimmelmman	Certified
8SSO10591	Active	651045 Bob Von Schimmelmman	Certified
8SSO10591	Active	651473 Bob Von Schimmelmman	Certified
8SSO10591	Active	652554 Bob Von Schimmelmman	Certified
8SSO10591	Active	653893 gene estrada	Certified
8SSO10591	Active	654772 Bob Von Schimmelmman	Certified
8SSO10591	Active	657904 Bob Von Schimmelmman	Certified
8SSO10591	Active	707204 Bob Von Schimmelmman	Certified
8SSO10591	Active	711387 Bob Von Schimmelmman	Certified
8SSO10591	Active	714921 Gene Estrada	Certified
8SSO10591	Active	716933 Gene Estrada	Certified
8SSO10591	Active	722811 Gene Estrada	Certified
8SSO10591	Active	726253 Gene Estrada	Certified
8SSO10591	Active	729415 gene estrada	Certified
8SSO10591	Active	730078 Gene Estrada	Certified
8SSO10591	Active	730385 gene estrada	Certified
8SSO10591	Active	730947 Gene Estrada	Certified
8SSO10591	Active	730951 gene estrada	Certified
8SSO10591	Active	731373 gene estrada	Certified

[illegible]

environmental program manager
Manager
Manager
Manager
manager
Manager
Manager
Manager
Manager
Manager
environmental program manager
Manager
Manager
Manager
Manager
Senior Civil Engineer
Senior Civil Engineer
Senior Civil Engineer
Senior Civil Engineer
senior civil engineer
Senior Civil Engineer
senior civil engineer
Senior Civil Engineer
senior civil engineer
senior civil engineer

	9:22 AM	234338
	9:10 AM	449505
	9:55 AM	570747
	12:53 PM	571744
3:25 P.M.		368000
	4:41 PM	426865
	2:34 PM	563664
3.28 PM		249107
1:45 P.M.		373091
2:03 p.m.		918293
1:45 P.M.		688780
	1:34 PM	141525
	3:45 PM	821991
	10:27 AM	968241
	8:39 AM	824931
	2:20 PM	500364
1:24 P.M.		380356
	1:17 PM	152220
	8:03 AM	710366
	11:25	182157
	4:08 PM	676019
	4:16 PM	778671
3:22 P.M.		588747
	10:56 AM	126873
	8:16 AM	467864
	12:40 PM	549020
	13:33	515121
	15:35	736276
	14:23	789177
city of orange		649517
City of Orange, Ca		614030
City of Orange, Ca		658049
City of Orange, Ca		900279
city of orange		663164
City of Orange		865946
City of Orange		211669
City of Orange		493077
City of Orange		705570
City of Orange		907523
city of orange		515945
City of Orange		269141
City of Orange		329499
City of Orange		114177
City of Orange		851135
City of Orange		593569
City of Orange		397174
City of Orange		237054
City of Orange		294647
city of orange		405523
City of Orange		648707
city of orange		318080
City of Orange		217538
city of orange		515771
City of Orange		156400

24-Sep-09		29-Sep-09	9/29/2009
29-Sep-09		29-Sep-09	9/29/2009
14-Dec-09		14-Dec-09	12/14/2009
4-Feb-10		4-Feb-10	2/4/2010
4-May-10		3-Feb-11	2/3/2011
6-Jul-10	7/6/2010	6-Jul-10	3/28/2011
7-Sep-10	9/7/2010	7-Sep-10	9/7/2010
8-Nov-10	11/8/2010	8-Nov-10	11/8/2010
3-Jan-11	1/3/2011	3-Jan-11	2/3/2011
15-Feb-11	2/15/2011	15-Feb-11	2/15/2011
29-Mar-11	3/29/2011	29-Mar-11	3/29/2011
4-Apr-11	4/4/2011	11-Apr-11	4/11/2011
6-Jul-11	7/6/2011	6-Jul-11	7/6/2011
29-Aug-11	8/29/2011	29-Aug-11	8/29/2011
20-Jan-12	1/20/2012	24-Jan-12	1/24/2012
6-Mar-12	3/6/2012	6-Mar-12	3/6/2012
6-Apr-12	4/6/2012	12-Apr-12	4/12/2012
12-Apr-12	4/12/2012	12-Apr-12	4/12/2012
2-May-12	5/2/2012	8-May-12	5/8/2012
20-Aug-12	9/13/2012	17-Sep-12	9/17/2012
23-Aug-12	9/20/2012	20-Sep-12	9/20/2012
20-Sep-12	9/20/2012	20-Sep-12	9/20/2012
2-Oct-12	10/2/2012	4-Oct-12	10/4/2012
21-Nov-12	11/21/2012	30-Nov-12	11/30/2012
28-Jan-13	1/28/2013	4-Feb-13	2/4/2013
16-Apr-13	4/16/2013	18-Apr-13	4/18/2013
27-Jun-13	6/27/2013	28-Jun-13	6/28/2013
5-Sep-13	9/12/2013	12-Sep-13	9/12/2013
23-Sep-13	9/23/2013	23-Sep-13	9/23/2013
21-Nov-13	11/21/2013	26-Nov-13	
15-Jan-07		29-Jan-07	12/16/2010
24-Jan-07		7-Feb-07	2/7/2007
5-Feb-07		7-Feb-07	2/7/2007
6-Feb-07		8-Feb-07	2/8/2007
3-Apr-07		16-Apr-07	4/16/2007
7-May-07		23-May-07	5/23/2007
22-May-07		18-Jun-07	6/18/2007
29-May-07		18-Jun-07	6/18/2007
7-Jun-07		18-Jun-07	6/18/2007
21-Jun-07		26-Jun-07	6/26/2007
10-Jul-07		16-Jul-07	12/20/2010
26-Jul-07		2-Aug-07	8/2/2007
24-Sep-07		11-Oct-07	10/11/2007
6-Nov-07		20-Dec-07	12/20/2007
17-Jan-08		28-Jan-08	1/28/2008
17-Mar-08		5-May-08	9/17/2008
5-May-08		20-Jun-08	6/20/2008
18-Jul-08		23-Jul-08	7/23/2008
15-Sep-08		2-Oct-08	10/2/2008
19-Nov-08		24-Nov-08	11/24/2008
2-Dec-08		20-Jan-09	1/20/2009
10-Dec-08		11-Dec-08	12/11/2008
22-Dec-08		20-Jan-09	1/20/2009
22-Dec-08		24-Dec-08	12/24/2008
3-Jan-09		7-Jan-09	1/7/2009

Category 3		50	50
Category 1		15	5
Category 1		800	0
Category 3		25	25
Category 1		300	0
Category 3		120	120
Category 1		25	15
Category 3		11	11
Category 3		150	150
Category 1		60	0
Category 3		15	15
Category 3		150	150
Category 3		15	15
Category 1		250	100
Category 3		20	10
Category 3		50	50
Category 1		150	100
Category 3		25	25
Category 3		52	52
Category 1		35280	0
Category 1		50	0
Category 1		60	0
Category 3		25	25
Category 1		150	0
Category 1		1000	200
Category 1		50	20
Category 1		1000	500
Category 3	0	25	25
Category 1	750	1000	750
Category 1	150	600	0
Category 1		9000	1420
Category 3		40	
Category 1		5	3
Category 3		358	
Category 3		20	
Category 1		240	215
Category 3		100	100
Category 1		1485	700
Category 1		3000	2380
Category 1		3900	2640
Category 1		260	80
Category 3		63	63
Category 3		15	15
Category 3		10	10
Category 1		300	225
Category 3		10	10
Category 3		15	15
Category 1		1800	0
Category 3		138	138
Category 1		637	53
Category 3		15	15
Category 1		110	30
Category 3		15	15
Category 1		240	120
Category 1		800	780

0 No	No
10 Yes	Yes
800 Yes	Yes
0 No	No
300 Yes	Yes
0 No	No
10 Yes	Yes
0 No	Yes
0 No	No
60 Yes	Yes
0 No	Yes
0 No	No
0 No	No
150 Yes	Yes
0 No	Yes
0 No	No
50 Yes	Yes
0 No	No
0 No	Yes
35280 Yes	No
50 Yes	No
60 Yes	No
0 No	No
150 No	Yes
800 Yes	Yes
30 Yes	Yes
500 Yes	Yes
0 No	No
250 Yes	Yes
450 Yes	Yes
7580 Yes	Yes
No	No
2 No	Yes
No	No
No	No
25 No	Yes
No	No
785 Yes	Yes
620 Yes	No
1260 Yes	Yes
180 Yes	Yes
No	No
No	No
No	No
75 No	Yes
0 No	No
0 No	No
1800 Yes	Yes
0 No	No
584 No	Yes
0 No	No
80 No	Yes
0 No	No
120 No	Yes
20 No	Yes

Not Applicable - Spill did not reach storm drainpipe
No
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
No
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
No
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
No
No
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
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No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
No

2121 E Coast Hwy @ Avocado
540 south bayfront, Newport Beach, ca.
Belcourt Dr. @ Leesbury Ct.
180 Newport Center Dr
528 Vista Grande, Newport Beach, Ca
700 Marigold
1512 East Bay Ave.
1209 Balboa Blvd. West
2621 Bamboo Street
Behind 2927 Perla
526 S Bayfront, Balboa Island, Ca.
1554 Ocean Front East, Newport Beach, Ca.
Larkspur Ave. @ Bayside Drive
East Bluff Drive @ Bixia, newport beach, ca
140 Fernleaf Ave on Way Ln.
4501 Birch Street
111 Via Eboli
949 West 16th St, Newport Beach, Ca.
3207 Larkspur Ave
Adjacent to 1701 Bayside Dr. in the Newport Beach Harbor
Adjacent to 1701 Bayside Drive in lower Newport Bay
1701 Bayside Drive, Newport Beach, CA
Alley behind 407 Belvue Lane
2601 Eastbluff Drive, Newport Beach, CA
850 San Clemente Dr.
On Jamboree Rd. behind 2100 Marvista Dr., Newport Beach Ca
3100 East Coast Highway, Newport Beach Ca
1300 Park Newport Drive
4701 Surrey Dr., Newport Beach, CA
Jamboree Road and University Drive, Newport Beach, CA
Courtland St. and Waterford St.
170 S. Kathleen Ln.
Serrano Ave/ Orange Park Blvd On a Dirt Trail
horse trail behind 622 N Brambles Way
443 S . Devon Rd.
Maple & Jewell
508,534 E. La Veta Ave
Parkside Ave cul-de-sac
Hart Park Armory
Canal & Sail
Tiller & Spinnaker
Hunters Way
Palmdale and Cambridge
Jacaranda Ave
Fairhaven Ave and Lowry St
181 N. Crosscreek Rd.
354 N. Bitterbush St.
Katella/Shaffer
Chapman Ave west of Brambles Way
2811 E Villareal Dr
637 W Struck Ave
2460 E Millbank Dr
628 E Chalynn Ave
246 N Spinnaker St
Palm & California

33.60586	-117.87636 Orange
33.60456	-117.89635 Orange
33.63645	-117.86487 Orange
33.61051	-117.8753 Orange
33.64026	-117.8802 Orange
33.59833	-117.86717 Orange
33.5994	-117.89049 Orange
33.60593	-117.91061 Orange
33.64088	-117.87357 Orange
33.64467	-117.874 Orange
33.60469	-117.89714 Orange
33.59728	-117.88976 Orange
33.59647	-117.87207 Orange
33.63928	-117.87567 Orange
33.596739	-117.878989 Orange
33.66949	-117.86592 Orange
33.614	-117.92192 Orange
33.63196	-117.93822 Orange
33.59727	-117.8713 Orange
33.60708	-117.88456 Orange
33.60708	-117.88456 Orange
33.60708	-117.88456 Orange
33.59763	-117.88578 Orange
33.6426	-117.8755 Orange
33.62109	-117.87639 Orange
33.63086	-117.87516 Orange
33.59813	-117.87154 Orange
33.6266	-117.8799 Orange
33.59135	-117.85633 Orange
33.650278	-117.867175 Orange
33.833175	-117.812492 Orange
33.786639	117.8211 Orange
33.822556	117.783861 Orange
33.798661	117.777794 Orange
33.781331	117.871222 Orange
33.783333	117.85 Orange
33.780278	117.848333 Orange
33.814167	117.831111 Orange
33.779167	117.848889 Orange
33.833889	117.839167 Orange
33.791667	-117.9 Orange
33.815	117.7725 Orange
33.816111	117.844722 Orange
33.803333	117.851944 Orange
33.773056	117.827778 Orange
33.787147	117.76065 Orange
33.792369	117.877486 Orange
33.808531	117.846619 Orange
33.796078	117.77835 Orange
33.829514	117.824033 Orange
33.806031	117.859806 Orange
33.829708	117.818794 Orange
33.781086	117.845944 Orange
33.791775	117.900103 Orange
33.791453	117.840092 Orange

Cleanout on the Avocado side of 2121 E Coast Hwy.
C/O @ 540 South Bayfront
Sewer manhole on Belcourt Dr. near Leesbury Ct.

Easement behind address.
Manhole on 4th and marigold alley. MHL20_064
Cleanout in alley behind 1512 E Bay Ave.
Alley behind 1209 Balboa Blvd. West
Manhole on street between 2621 and 2615 Bamboo St.
Behind 2927 Perla on Green belt.
Alley behind 526 and gutter on Topaz Ave.
Spill came out of a private C/O but was caused by a CNB mainline blockage.
Manhole in intersection.
Manhole in the intersection of East Bluff Dr. @ Bixia
Behind 140 Fernleaf Ave. on Way lane
Private cleanout
Clean out at 111 Via Eboli
Manhole in street adjacent to 949 W 16th St.

Apoximately 50 ft west of sea wall towards Little Balboa Is.
Ajacent to 1701 Bayside Drive in Harbor, approximately 50 ft from bulk head.
Ajacent to 1701 Bayside Dr. 50' from bulk head in Lower Newport Harbor.
CNB cleanout.
End of the line manhole near teennis courts at 2601 Eastbluff drive.
manhole overflowing on Santa Cruz Dr.

Manhole on Jasmine @ East Coast Highway
Sewer Manhole
Manhole in street near 4701 Surrey Dr., Newport Beach, Ca.
CNB Manhole MHH08_466 located on hillside next to Jamboree Road south of University Drive.
City Street Manhole
Manhole #5810 on City street
Spill occurred on a dirt trail located on the north side of Serrano Ave.
Overflow emminated from a dirt covered manhole located in the center of the horse trail behind 622 N Brambles Way.
overflowing manhole at 433 S. Devon Rd.
City sewer manhole located in the driveway of 220 N. Jewell Place.
Spill occurred on private development complex on La Veta.
Manhole located in center of cul-de-sac, catch basin also located in cul-de-sac.
Manhole in front of the Armory
City sewer manhole east of the intersection of Canal and Sail.
City manhole, intersection of Tiller and Spinnaker.
Private Street lines maintained by City of Orange
manhole on Palmdale
Street manhole overflowing located on Jacaranda Ave between Glassell St and Grand St.
Street sewer manhole located on the northside of Fairhaven Ave east of Lowry on lane number one going west bound.
private street, manhole
Manhole on Bitterbush
manhole #2758 in commercial parking lot
SSO flowed from a manhole located on Chapman Ave west of Brambles Way
SSO overflow from a manhole on Villareal Dr.
Overflowing manhole on street at the intersection of Parker St and Struck Ave.
Overflowing manhole on Millbank Street in front of 2460
Overflowing manhole at the end of the cul-de-sac on east Chalynn Ave
Overflowing manhole on street at the intersection of Spinnaker St and Tiller Ave
Overflowing City manhole at 1245 E. Palm Ave .

1
1
1

Other (specify)
Other sewer system structure
Gravity sewer;Manhole
Gravity sewer;Other sewer system structure
Gravity sewer;Manhole
Manhole
Other sewer system structure
Other (specify)
Manhole;Other sewer system structure
Gravity sewer;Manhole
Other sewer system structure
Other (specify)
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole;Other sewer system structure
Other sewer system structure
Gravity sewer
Manhole
Gravity sewer
Force main or pressure sewer
Force main or pressure sewer
Force main or pressure sewer
Gravity sewer;Other sewer system structure
Manhole
Gravity sewer
Other sewer system structure
Gravity sewer;Manhole
Manhole;Gravity sewer
Gravity Mainline;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Building or structure
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
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Manhole
Manhole
Manhole
Manhole
Manhole
Manhole

Cleanout
City maintained cleanout.

Clean out

Cleanout
CNB Cleanout.

CNB maintained cleanout.
Private C/O.

Lamp hole

Discharge valve leaked on forcemain that was damaged by R.E. Staite Engineering while dredging in the Lower Newport
CNB cleanout.

Sewer cleanout

NA

N/A

N/A

N/A
N/A
N/A
n/a

N/A

N/A
N/A
N/A
N/A

Street/curb and gutter
Storm drain;Surface water;Other (specify below)
Storm drain;Street/curb and gutter;Other (specify below)
Street/curb and gutter
Surface water
Other (specify below)
Surface water
Separate storm drain;Street/curb and gutter
Street/curb and gutter;Other (specify below)
Surface water;Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other paved surface;Separate storm drain
Street/curb and gutter
Surface water
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Surface water
Surface water
Surface water
Street/curb and gutter;Other (specify below)
Separate storm drain
Surface water
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter;Surface water
Street/curb and gutter
Drainage Channel;Paved Surface;Separate Storm Drain;Street/Curb and Gutter
Other (specify below);Paved Surface;Separate Storm Drain;Street/Curb and Gutter;Surface Water
Separate storm drain;Street/curb and gutter;Surface water
Other (specify below)
Storm drain;Street/curb and gutter
Unpaved surface
Other (specify below)
Storm drain;Street/curb and gutter
Building or structure
Storm drain
Surface water
Storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter;Surface water
Other paved surface
Other (specify below)
Street/curb and gutter;Unpaved surface;Other (specify below)
Storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain;Surface water
Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter;Other (specify below)

Newport Bay
Stormdrain detention basin

Returned to CNB sewer system.
10 Gals reached Newport Bay at G Street

Spill was contained, cleaned up and returned to the sewer system.

Back Bay

Returned to Sewer system.

Returned to Sanitary Sewer.

Final destination was the sanitary sewer system, initially it was on the street and gutter until it was vacuumed up.

100 gals was captured and returned to the sewer system, 150 gals was in the storm drain which eventually goes to the Bac

Broken force main discharged into the Lower Newport Bay

Ajacent to 1701 Bayside Dr. 50' from bulk head in Lower Newport Bay.

High pressure water and a vactor truck were used to capture the spill residue and clean up water.

Newport Back Bay

Initial spill went to storm drain, then Back Bay until berm was built and Vactor captured the remaining and clean up water.

NA

City vacuum truck recaptured all wastewater.

Vacuum truck, returned to sewer

N/A

Santiago Creek

City vacuum truck and East Garden Grove-Winterburg channel.

over flow into the gutter that was vacuumed up before reaching stormdrain

Construction site at the corner of Jacaranda Ave and Glassell St.

N/A

N/A

spill was vacuumed up into a vactor truck

Based on quantity, it is believed to have reached the Collins Channel and the Santa Ana River where it infiltrated into the

N/A

N/A

N/A

N/A

N/A

N/A

A City vacuum truck over the manhole was used to absorb 780 gallons.

9/21/2009 1:13	9/21/2009 1:13	9/21/2009 1:28	9/21/2009 1:45
9/25/2009 8:25	9/25/2009 8:25	9/25/2009 8:45	9/25/2009 8:55
12/13/2009 1:00	12/13/2009 1:00	12/13/2009 1:05	12/13/2009 1:25
2/3/2010 13:54	2/3/2010 13:54	2/3/2010 14:15	2/3/2010 15:00
5/3/2010 8:45	5/3/2010 8:45	5/3/2010 9:00	5/3/2010 9:45
7/3/2010 18:45	7/3/2010 18:45	7/3/2010 19:45	7/3/2010 20:00
9/7/2010 7:55	9/7/2010 7:55	9/7/2010 8:20	9/7/2010 8:20
11/4/2010 8:40	11/4/2010 8:40	11/4/2010 9:05	11/4/2010 9:05
12/30/2010 9:00	12/30/2010 9:00	12/30/2010 9:15	12/30/2010 9:30
2/14/2011 9:30	2/14/2011 9:30	2/14/2011 9:45	2/14/2011 10:00
3/28/2011 17:14	3/28/2011 17:14	3/28/2011 17:40	3/28/2011 17:44
4/2/2011 18:15	4/2/2011 18:45	4/2/2011 18:45	4/2/2011 18:45
7/2/2011 8:30	7/2/2011 8:30	7/2/2011 9:00	7/2/2011 9:30
8/26/2011 8:38	8/26/2011 8:38	8/26/2011 8:50	8/26/2011 9:02
1/18/2012 1:03	1/18/2012 1:03	1/18/2012 1:13	1/18/2012 1:20
3/1/2012 13:23	3/1/2012 13:23	3/1/2012 13:48	3/1/2012 13:48
4/6/2012 8:49	4/6/2012 8:49	4/6/2012 8:59	4/6/2012 10:00
4/10/2012 8:45	4/10/2012 8:45	4/10/2012 8:45	4/10/2012 8:55
5/2/2012 8:04	5/2/2012 8:04	5/2/2012 8:30	5/2/2012 10:00
8/15/2012 22:51	8/15/2012 23:45	8/16/2012 0:30	8/16/2012 2:01
8/21/2012 13:30	8/21/2012 13:31	8/21/2012 13:30	8/21/2012 13:35
8/16/2012 9:45	8/16/2012 9:45	8/16/2012 9:30	8/16/2012 10:00
9/30/2012 14:10	9/30/2012 14:10	9/30/2012 14:50	9/30/2012 15:00
11/20/2012 3:00	11/20/2012 3:00	11/20/2012 3:15	11/20/2012 3:15
1/28/2013 7:37	1/28/2013 7:37	1/28/2013 7:50	1/28/2013 8:17
4/14/2013 10:30	4/14/2013 10:30	4/14/2013 10:50	4/14/2013 11:00
6/26/2013 0:00	6/26/2013 8:54	6/26/2013 9:04	6/26/2013 9:14
9/4/2013 17:00	9/4/2013 17:00	9/4/2013 17:15	9/4/2013 17:15
9/20/2013 8:05	9/20/2013 8:05	9/20/2013 8:15	9/20/2013 8:45
11/21/2013 7:50	11/21/2013 7:50	11/21/2013 8:10	11/21/2013 8:20
1/12/2007 7:30	1/12/2007 7:45	1/12/2007 8:00	1/12/2007 9:00
1/23/2007 7:45	1/23/2007 8:00	1/23/2007 8:15	1/23/2007 9:00
1/25/2007 19:50	1/25/2007 19:50	1/25/2007 20:30	1/25/2007 21:15
2/3/2007 0:00	2/3/2007 12:40	2/3/2007 13:50	2/3/2007 15:00
3/29/2007 19:15	3/29/2007 19:30	3/29/2007 19:45	3/29/2007 21:15
5/3/2007 10:40	5/3/2007 10:40	5/3/2007 10:50	5/3/2007 12:00
5/17/2007 22:00	5/17/2007 22:20	5/17/2007 23:00	5/18/2007 0:30
5/26/2007 9:00	5/26/2007 9:00	5/26/2007 10:15	5/26/2007 11:18
6/6/2007 22:00	6/6/2007 22:10	6/6/2007 22:30	6/7/2007 0:30
6/18/2007 19:00	6/18/2007 19:10	6/18/2007 19:25	6/18/2007 21:15
7/9/2007 12:00	7/9/2007 12:15	7/9/2007 12:30	7/9/2007 13:05
7/12/2007 16:30	7/12/2007 16:30	7/12/2007 17:10	7/12/2007 18:40
9/23/2007 8:30	9/23/2007 9:00	9/23/2007 9:15	9/23/2007 10:55
11/1/2007 18:15	11/1/2007 18:15	11/1/2007 18:45	11/1/2007 20:05
1/16/2008 12:45	1/16/2008 12:55	1/16/2008 13:10	1/16/2008 13:45
3/11/2008 16:00	3/11/2008 16:30	3/11/2008 17:00	3/11/2008 17:00
5/1/2008 22:30	5/1/2008 23:00	5/1/2008 23:33	5/1/2008 23:57
7/17/2008 16:15	7/17/2008 16:30	7/17/2008 16:45	7/17/2008 17:15
9/12/2008 11:45	9/12/2008 11:55	9/12/2008 12:15	9/12/2008 1:35
11/18/2008 12:15	11/18/2008 12:20	11/18/2008 12:30	11/18/2008 13:15
12/1/2008 15:05	12/1/2008 15:05	12/1/2008 15:05	12/1/2008 15:30
12/10/2008 7:55	12/10/2008 7:55	12/10/2008 8:20	12/10/2008 8:30
12/20/2008 22:00	12/20/2008 22:00	12/20/2008 22:35	12/20/2008 23:30
12/21/2008 9:30	12/21/2008 9:40	12/21/2008 10:00	12/21/2008 10:30
1/3/2009 13:00	1/3/2009 13:15	1/3/2009 13:35	1/3/2009 18:20

Debri-Rags
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-General
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Pipe structural problem/failure
Root intrusion
Root intrusion
Debri-General
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Debri-Rags
Debri-Rags
Debri-General
Root intrusion
Root intrusion
Other (specify below)
Root Intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Other (specify below)
Vandalism
Root intrusion
Root intrusion
Other (specify below)
Debri-General
Vandalism
Vandalism
Vandalism
Vandalism
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Debri-General
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)

Roots and Paper

R.E.Staite Engineering Inc. was dredging with a clam shell and broke the force main from Balboa Island to the OCSD trunk line. Inflatable test plug was dislodged from isolated pipe during pressure test of undamaged section of forcemain pipe. Diver 1
A high alarm was responded to from the Sewer lift station on Little Balboa Is, while working the discharge valves on the main

Roots and grout from home construction.

NA

During routine maintenance of City sewer lines, City crews observed an overflow from a City sewer manhole. Roots and grease
N/A

root intrusion and grease

A blockage due to a Colostamy bag, a metal bar and grease.

grease and paper towels

N/A

Baby wipes/paper towels. FOG deposits were also noted in the line.

N/A

n/a

N/A

N/A

N/A

N/A

N/A

N/A

A brick from the manhole vault had broken off and was lodged in the sewer line.

Lower Lateral
Lower Lateral
Main
Lower Lateral
Other (specify below)
Main
Lower Lateral
Lower Lateral
Main
Main
Lower Lateral
Main
Main
Main
Main
Lower Lateral
Main
Main
Lower Lateral
Other (specify below)
Other (specify below)
Other (specify below)
Lower Lateral
Main
Main
Lower Lateral
Main
Other (specify below)
Gravity Mainline
Manhole
Main

grease appeared to be the cause of the blockage

Main

Main
Main
Main
Main
Main
Main
Main
Main
Main

Repairs were made to substandard laterals and cleanouts were added.

Root intrusion at manhole and main.

Approximately 50 ft from the bulk head on The Bayside Dr. side of the Bay.
Forcemain crossing Bay from Little Balboa Island (Section 5 Lift Station) to Mainland at 1701 Bayside Drive.
Faulty valve on broken forcemain.

Root intrusion in a private sewer main caused the CNB manhole to overflow. Parking area had water and debris.

3.

N/A
N/A
N/A
N/A
N/A
N/A

4 vcp
4 vcp
8 pvc
6 vcp
8 vcp
8 vcp
4 vcp
6 vcp
8 VCP
8 vcp
6 vcp
8 vcp
8 vcp
8 VCP
6 vcp
VCP
8 VCP

4 VCP

8 VCP
8 VCP
6 VCP

No
No
No

8 clay
8 clay
8 clay
8 VCP
6 VCP
6 clay
6 clay
8 VCP
6 clay
8 clay
8 VCP
8 VCP
8 clay
6 Clay
8 clay
clay pipe
6 clay
8 VCP
8 clay
8 clay
8 clay
8 clay
6 clay
8 clay
6 clay

40

40

12
46
11
31
30
50
69
46
46
43
18
32
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34
43
15
45
1959
32
45
48
39
53
53
1952

Vactor Crew built berms for containment and used Vactor to capture run off until blockage could be cleared. Used high pressure water to clear blockage. Built a berm at catch basin, used hand rods to clear lateral. Added rootx to deter roots. Used high pressure water and vacuum to clear blockage. Built a berm near stormdrain catch basin, cleared blockage with hydro jetter. removed roots from manhole, used high pressure water to clear blockage.

Located manhole and access to green belt, used hand rodder hose to location to clear blockage. Cleared roots from manholes.

Crew set up containment at stormdrain, called for vacuum truck, cleared blockage in the lateral from cleanout, used high pressure water to clear blockage. Built a berm at catch basin, used Vactor and high pressure water to clean up gutter and storm drain box.

Contained spill, blocked storm drain, set up Vactor at berm before storm drain. Cleared blockage, used hydro cleaner with high pressure water to clear blockage. Built a berm at storm drain catch basin, called for Vactor, Cleared blockage with Vactor and cleaned up street and curb area. Crew built a berm at the storm drain catch basin, cleared the blockage, set up Vactor at the catch basin and used high pressure water to clear blockage. Built a dike at the stormdrain for containment, cleared blockage with hand rods from lamp hole, root cut main. Set up Vactor at catch basin. Built a berm at nearest catch basin and set up vactor, called for back up crew, hand rodged private clean out to clear blockage.

A berm was built at the nearest catch basin, set up Vactor at catch basin and cleared blockage with hydro cleaner. Cleaned up street and curb area.

Checked discharge manhole on Bayside Dr., no flow with pumps on. Switched to secondary forcemain. Reinstalled plug and completed test of forcemain damaged by R.E. Staite Engineering while dredging the Lower Newport Bay. Turned off liftstation and used Vactor trucks to bypass station. Built a berm at nearest catch basin, restored flow with hand rods, used high pressure water and captured wash down and debris.

Crew built berms for containment until Vactors arrived, 1 Vactor was set up for containment while second Vactor cleared blockage.

Vactor Crew built a berm at stormdrain catch basin and set up Vactor for containment, second vactor cleared the blockage.

Built a berm at catch basin and set up Vactor truck, Used Hydro cleaner to clear the blockage and then clean up gutter and catch basin. placed vacuum over overflowing manhole
N/A

City crews placed sand berms 50 feet and 150 feet downstream in the gutter to contain all overflow. City crews then cleared gutter.
N/A

N/A

Public works personnel placed earth berms along the V-ditch on Santiago Canyon Rd upon arriving on scene to detain water.
N/A
N/A
N/A

N/A
N/A
N/A
N/A
N/A
N/A

9/25/2009 9:45
12/13/2009 2:45

5/3/2010 9:45

9/7/2010 0:00

2/14/2011 10:30

8/26/2011 9:30
1/18/2012 3:30

4/6/2012 10:00

8/17/2012 12:00
8/21/2012 14:30
8/17/2012 12:00

11/26/2012 11:00
1/28/2013 9:30
4/14/2013 13:30
6/26/2013 10:00

9/20/2013 10:15
11/21/2013 9:30
1/12/2007 10:20

1/25/2007 21:45

5/3/2007 13:00

5/26/2007 13:30
6/7/2007 3:00
6/18/2007 22:00
7/9/2007 13:20

1/16/2008 14:00

7/17/2008 17:30

11/18/2008 13:50

12/10/2008 9:15

12/21/2008 11:45
1/3/2009 19:00

Other (specify below)
Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer; Repaired sewer; Other (specify below)
Repaired sewer
Other (specify below)

Added sewer to preventive maintenance program; Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program; Adjusted schedule/method of preventive maintenance; Inspected Sewer
Other (specify below); Repaired Facilities or Replaced Defect
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program; Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program

Other (specify below)

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program
Other (specify below)

Cleared blockage, added rootx.
Remove and replace manhole rings where roots had entered.

This area is scheduled to be Root foamed.

Will CCTV lateral to determine problem.

Seal cone and grade rings on manhole to prevent root intrusion.

Divers working for R.E. Staite Engineering made repairs to the damaged force main.

Installed a new valve.

Removed roots, sealed manhole with tar and cement where roots had gained entry.
NA

Seeking funds to upgrade the sewer line in that area.

NA
NA

Information will be dissiminated in the surrounding area and clogging issues discussed with facilities that may be likely so

added sewer line to list for more frequent cleaning

N/A

N/A

N/A
Inspection of manhole vaults in the area for structural damage/loose bricks has been added to the sewer crew schedule.

Yes
No

No

Yes

No

No
No

No

Yes
Yes
Yes

No
No
No
No

No
No
No

No

No

No
No
No
No

No

No

No

No

No
No

NA
None
None
N/A
None
N/A
None
NA
NA
NA
None spill was contained.

NA

Did not reach Bay.

None Seen

NA

N/A
None
Nothing observed at outfall.

None
water in impact area was flowing clear
N/A
N/A

NA
N/A
Not visible
No visible odor, waste water infiltration into channel the first 20ft.
Visual inspection of Channel 5 at Gaff St. and Glassell St indicated no odors. Unable to determine any impact to the char
The East Gargen Grove-Wintersburg channel is underground. Unable to do visual inspection.
N/A
N/A
N/A
N/A
N/A
n/a
No visual impact. Collins Channel drains into Santa Ana River where any flow infiltrates the soil. Did not reach any active
N/A
Observations downstream were conducted at some catch basins and an open portion of the soft bottom of the Buckeye C
N/A
No odors were detected at open portions of the Tustin/Wanda channel or Collins channel downstream.
N/A
It could not be determined if the wastewater reached the East Garden Grove-Wintersburg Channel which is approximately
There was no visual or olfactory impact to the Santiago Creek.

Yes
No

No

Yes

No

No
No

Yes

Yes
Yes
Yes

No
Yes
No
Yes

Yes
No
No

Yes
No

No

No

No
No
No
No

No

No

No

No

No
No

Area from Topaz to Collins on the South Bayfront of Balboa Island.
NA

NA

Bay at G Street
None
NA

None

None

Newport Bay from 337 Via Lido Soud to 401 Via Lido Soud.

Lower Newport Bay from Balboa Island Bridge to O.C Sherriff Station.
Lower Newport Bay from Balboa Island bridge to OC Sheriff Station
NA

North Star Beach
Upper Newport Bay
Lower Newport Bay 1/2 mile was posted from Harbor Patrol Beach to Carnation Cove on the East side of the bay.

Cameo Shores
NA
NA

N/A

NA

NA
NA
N/A
N/A

N/A

NA

N/A

N/A

N/A
NA

Newport Bay
NA

Back Bay

N/A

Newport Bay

None

NA

Newport Back Bay

None

None

NA

Back Bay

None

None.

Newport Bay

None, did not reach storm drain.

none

Lower Newport Bay

Lower Newport Bay

Lower Newport Bay

NA

NA

Newport Back Bay

Upper Newport Bay

Lower Newport Bay 1/2 mile was posted from Harbor Patrol Beach to Carnation Cove on the East side of the Bay.

Newport Back Bay

Marlboro Channel

N/A

NA

Marlboro Channel

Santiago Creek

Channel 5

East Garden Grove-Wintersburg Channel

N/A

Collins Channel, Santa Ana River

N/A

N/A

N/A

NA

Biological indicator(s) - specify below
No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken
Not applicable to this spill

Biological indicator(s) - specify below

Biological indicator(s) - specify below
Biological indicator(s) - specify below
Biological indicator(s) - specify below

No water quality samples taken;Not applicable to this spill
Biological indicator(s) - specify below
No water quality samples taken;Not applicable to this spill
Biological indicator(s) - specify below

Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

Total coliform, fecal coliform and Enterococcus bacteria.

NA

Total Coliform, Fecal Coliform, Enterococcus Bacteria.

indicator bacteria, enterococcus, fecal coliform

Indicator Bacteria, Enterococcus and fecal coliform.
Indicator Bacteria, Enterococcus and Fecal Coliform.
Indicator Bacteria, Enterococcus, Fecal coliform

Total coliform, Fecal coliform & enterococcus.

Total coliform, fecal coliform, enterococci.

Total coliform, Fecal coliform and Enterococci.

NA

NA

NA
NA

N/A

N/A

N/A

N/A

County Health Agency
No water quality samples taken

No water quality samples taken

County Health Agency

No water quality samples taken

None of the above
Not applicable to this spill

County Health Agency

County Health Agency
County Health Agency
County Health Agency

None of the above
County Health Agency
None of the above
County Health Agency

County Health Agency
No water quality samples taken
No water quality samples taken

None of the above

None of the above

None of the above
No water quality samples taken
No water quality samples taken
None of the above

No water quality samples taken

None of the above

No water quality samples taken

No water quality samples taken

None of the above
No water quality samples taken

NA

NA

NA
NA

N/A

N/A

N/A

N/A

Estimation was done by comparing the highth of water coming from the pick hole to picture of various controled gpm ratir
Took pictures of manhole while overflowing and matched to pictures of manholes during a controlled spill and multiplied t

96452	9/21/2009 4:00
96536	9/25/2009 10:20
98308	12/13/2009 3:30
102783	5/4/2010 10:00
104047	7/3/2010 20:26
105383	9/7/2010 1:57
106658	11/4/2010 11:30
110916	2/15/2011 13:56
112143	4/2/2011 19:55
	1/20/2012 0:00
122030	4/6/2012 10:30
124833	8/16/2012 2:00
125006	8/23/2012 8:00
127033	11/20/2012 5:10
130584	1/28/2013 9:30
132239	4/14/2013 13:30
133892	6/26/2013 10:30
135919	9/20/2013 10:50
70238	1/12/2007 9:00
	1/25/2007 21:25
72009	3/29/2007 22:10
73216	5/26/2007 13:45
73574	6/13/2007 2:30
73680	6/18/2007 22:15
75807	9/23/2007 10:30
81985	3/11/2008 19:00
83193	5/1/2008 0:07
85253	7/17/2008 17:55
88293	11/18/2008 14:00
88802	12/10/2008 9:20
89056	12/21/2008 11:05
90043	1/3/2009 14:45

Michael Lynch, Wastewater Supe
Matt Bullman, Crew Chief
Michael Lynch, Wastewater Supervisor.

9497183415
9499222155
9497183415

8SSO10591	Active	736246 gene estrada	Certified
8SSO10591	Active	737026 Gene Estrada	Certified
8SSO10591	Active	737474 gene estrada	Certified
8SSO10591	Active	737657 gene estrada	Certified
8SSO10591	Active	738270 gene estrada	Certified
8SSO10591	Active	739935 gene estrada	Certified
8SSO10591	Active	742363 gene estrada	Certified
8SSO10591	Active	744507 gene estrada	Certified
8SSO10591	Active	744556 gene estrada	Certified
8SSO10591	Active	746995 gene estrada	Certified
8SSO10591	Active	747659 gene estrada	Certified
8SSO10591	Active	748250 gene estrada	Certified
8SSO10591	Active	749154 gene estrada	Certified
8SSO10591	Active	749286 gene estrada	Certified
8SSO10591	Active	751944 gene estrada	Certified
8SSO10591	Active	758337 gene estrada	Certified
8SSO10591	Active	758595 gene estrada	Certified
8SSO10591	Active	758821 gene estrada	Certified
8SSO10591	Active	758991 gene estrada	Certified
8SSO10591	Active	759890 gene estrada	Certified
8SSO10591	Active	760780 gene estrada	Certified
8SSO10591	Active	769306 gene estrada	Certified
8SSO10591	Active	770001 gene estrada	Certified
8SSO10591	Active	770823 gene estrada	Certified
8SSO10591	Active	773436 gene estrada	Certified
8SSO10591	Active	774408 gene estrada	Certified
8SSO10591	Active	774749 gene estrada	Certified
8SSO10591	Active	777897 gene estrada	Certified
8SSO10591	Active	779809 gene estrada	Certified
8SSO10591	Active	782223 gene estrada	Certified
8SSO10591	Active	787074 gene estrada	Certified
8SSO10591	Active	788040 gene estrada	Certified
8SSO10591	Active	788945 gene estrada	Certified
8SSO10591	Active	789017 gene estrada	Certified
8SSO10591	Active	789594 gene estrada	Certified
8SSO10591	Active	791567 gene estrada	Certified
8SSO10591	Active	791775 gene estrada	Certified
8SSO10591	Active	792839 gene estrada	Certified
8SSO10591	Active	793121 gene estrada	Certified
8SSO10591	Active	794107 gene estrada	Certified
8SSO10591	Active	797568 gene estrada	Certified
8SSO10591	Active	797728 gene estrada	Certified
8SSO10591	Active	798916 gene estrada	Certified
8SSO10591	Active	800665 gene estrada	Certified
8SSO10593	Active	712963 Joel Cardenas	Certified
8SSO10593	Active	715665 Joel Cardenas	Certified
8SSO10593	Active	751103 Joel Cardenas	Certified
8SSO10593	Active	756651 Joel Cardenas	Certified
8SSO10593	Active	760150 Joel Cardenas	Certified
8SSO10593	Active	763000 Joel Cardenas	Certified
8SSO10593	Active	763508 Joel Cardenas	Certified
8SSO10593	Active	778123 Joel Cardenas	Certified
8SSO10593	Active	792846 Joel Cardenas	Certified
8SSO10594	Active	646742 Derek Wieske	Certified
8SSO10594	Active	647882 Derek Wieske	Certified

environmental program manager
Senior Civil Engineer
environmental program manager
senior civil engineer
senior civil engineer
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Public Works Superintendent
Public Works Superintendent
Public Works Superintendent
Public Works Superintendent
Public Works Superindent
Publi Works Superintendent
Public Works Superintendent.
Public Works Superintendent
Deputy Director / City Engineer
Deputy Director / City Engineer

city of orange	963260
City of Orange	393217
city of orange	854010
City of Orange	581682
City of Orange	862482
City of Orange	591352
City of Orange	478788
city of orange	141029
city of orange	849712
city of orange	677022
city of orange	159388
city of orange	671196
city of orange	199639
city of orange	802057
city of orange	524223
city of Orange	677434
city of orange	323243
city of orange	246200
city of orange	784898
city of orange	727253
city of orange	159715
city of orange	253074
city of orange	351082
city of orange	215116
city of orange	324632
city of orange	417347
city of orange	517635
city of orange	116865
city of orange	642761
city of orange	440979
City of Orange offices	978041
city of orange	698034
city of orange	801553
city of orange	118336
city of orange	597352
city of orange	962098
city of orange	812485
city of orange	566654
city of orange	149842
city of orange	493861
city of orange	662643
city of orange	916119
city of orange	173719
city of orange	730791
	12/7/2010 425107
	12/7/2010 697589
City Corp. Yard	568513
Corp Yard	493832
Corp Yard	927934
Corp Yard	762997
Corp Yard	328566
Corp Yard	736595
Corparation Yard	989936
	1:48 PM 378556
	1:45 PM 397993

11-Apr-09		14-Apr-09	12/8/2010
30-Apr-09		5-May-09	5/5/2009
15-May-09		21-May-09	12/8/2010
19-May-09		21-May-09	5/21/2009
30-May-09		2-Jun-09	6/2/2009
25-Jun-09		2-Jul-09	7/2/2009
4-Aug-09		6-Aug-09	8/6/2009
10-Sep-09		20-Oct-09	10/20/2009
12-Sep-09		21-Oct-09	10/21/2009
23-Nov-09		25-Nov-09	12/8/2010
18-Dec-09		22-Dec-09	12/16/2010
8-Jan-10		15-Jan-10	1/15/2010
8-Feb-10		17-Feb-10	2/17/2010
11-Feb-10		11-Mar-10	3/11/2010
26-Apr-10		13-May-10	5/13/2010
2-Nov-10	11/2/2010	16-Nov-10	11/16/2010
16-Nov-10	11/16/2010	6-Dec-10	12/6/2010
22-Nov-10	11/22/2010	2-Dec-10	12/2/2010
30-Nov-10	12/2/2010	15-Dec-10	12/15/2010
27-Dec-10	12/27/2010	12-Jan-11	1/12/2011
11-Jan-11	1/11/2011	12-Jan-11	1/12/2011
31-Jul-11	7/31/2011	11-Aug-11	8/11/2011
19-Aug-11	8/19/2011	2-Nov-11	11/2/2011
7-Sep-11	9/15/2011	15-Sep-11	9/15/2011
23-Nov-11	11/23/2011	28-Nov-11	11/28/2011
20-Dec-11	12/20/2011	22-Dec-11	12/22/2011
24-Dec-11	12/24/2011	9-Jan-12	1/9/2012
23-Feb-12	2/23/2012	29-Feb-12	2/29/2012
9-Apr-12	4/9/2012	11-Apr-12	4/11/2012
16-Jun-12	6/16/2012	25-Jun-12	6/25/2012
9-Oct-12	11/14/2012	14-Nov-12	11/14/2012
14-Nov-12	11/14/2012	21-Nov-12	11/21/2012
11-Dec-12	12/11/2012	17-Dec-12	12/17/2012
14-Dec-12	12/14/2012	20-Dec-12	12/20/2012
2-Jan-13	1/2/2013	14-Jan-13	1/14/2013
12-Feb-13	2/22/2013	25-Feb-13	2/25/2013
19-Feb-13	2/19/2013	11-Mar-13	3/11/2013
21-Mar-13	3/21/2013	28-Mar-13	3/28/2013
3-Apr-13	4/3/2013	10-Apr-13	4/10/2013
13-May-13	5/13/2013	22-May-13	6/4/2013
6-Aug-13	8/6/2013	25-Sep-13	9/25/2013
9-Aug-13	8/12/2013	22-Aug-13	8/22/2013
20-Sep-13	9/20/2013	20-Sep-13	9/20/2013
12-Nov-13	11/12/2013	21-Nov-13	11/25/2013
14-Feb-08		14-Feb-08	12/7/2010
2-Apr-08		2-Apr-08	12/7/2010
30-Mar-10		30-Mar-10	12/7/2010
8-Sep-10	9/8/2010	7-Dec-10	2/15/2012
4-Jan-11	1/4/2011	4-Jan-11	2/15/2012
14-Feb-11	2/14/2011	14-Feb-11	2/15/2012
23-Feb-11	2/23/2011	23-Feb-11	2/15/2012
28-Feb-12	2/28/2012	28-Feb-12	2/28/2012
22-Mar-13	3/22/2013	22-Mar-13	3/22/2013
7-Feb-07		26-Mar-07	3/26/2007
12-Mar-07		26-Mar-07	3/26/2007

Category 1		700	644
Category 1		2000	1350
Category 1		3150	2400
Category 2		1200	1200
Category 1		75	60
Category 3		200	200
Category 1		500	235
Category 3		10	10
Category 3		50	50
Category 1		1125	100
Category 1		372	362
Category 1		6320	1820
Category 3		900	320
Category 3		40	40
Category 3		5	0
Category 1		750	300
Category 3		5	5
Category 3		60	30
Category 1		25	10
Category 1		720	580
Category 1		55	50
Category 3		15	10
Category 3		30	30
Category 3		15	15
Category 3		10	8
Category 1		745	453
Category 1		475	275
Category 1		3500	1500
Category 3		15	15
Category 3		50	49
Category 3		375	375
Category 3		25	25
Category 3		750	750
Category 1		675	160
Category 3		50	50
Category 1		660	350
Category 3		70	70
Category 1		50	0
Category 1		5214	1600
Category 1		2090	500
Category 3	158	158	158
Category 1		136	13
Category 2	3086	3086	3086
Category 1	50	2276	0
Category 1		400	100
Category 1		440	300
Category 3		50	50
Category 3		650	50
Category 1		800	600
Category 1		500	150
Category 1		75	75
Category 1		9500	2000
Category 1		300	150
Category 3		400	
Category 3		100	

56 Yes	Yes
650 Yes	Yes
750 Yes	Yes
0 No	No
15 No	Yes
0 No	No
265 No	Yes
0 No	No
0 No	No
1025 Yes	Yes
10 Yes	Yes
4500 Yes	Yes
0 No	Yes
0 No	No
0 No	No
450 No	Yes
0 No	No
0 No	Yes
15 Yes	Yes
140 Yes	Yes
5 Yes	Yes
0 No	Yes
0 Yes	No
0 No	No
0 No	Yes
292 Yes	Yes
200 Yes	Yes
2000 Yes	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
515 Yes	Yes
0 No	No
310 Yes	Yes
0 No	No
50 Yes	Yes
3614 Yes	Yes
1590 Yes	Yes
0 No	No
123 Yes	Yes
0 No	No
2226 Yes	Yes
300 No	Yes
140 No	Yes
0 No	Yes
0 No	No
200 Yes	Yes
350 Yes	No
100 Yes	No
7500 Yes	Yes
150 Yes	Yes
No	No
No	No

No
No
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
No
No
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
No
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
No
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Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe

E River Ave at S Grand St
Lantern Bay Apts
Hart Park Armory
371 E River Ave
Glassell & Jacaranda
North Glassell
115 W Rose Ave
Palmyra / Shaffer
Mayfair & Glassell
Main St Alley / W Palmyra Pl
Chapman Ave and Lewis St
Heim/Lisa SSO
Waterford & Courtland
Donneybrooke and Beaton
Stacey Lee Ln pump station
Canyon View Ave / Newport Blvd
282 S. Orange St
1127 W Maple Ave
Park Orleans Condos
Intersection of Spinnaker St and Tiller Ave
Anita Dr.
Marywood
Hart Park
470 S. Shaffer St
MILLBANK
6824 E. Paragon Way
1300 (blk) W Palmyra Pl
639 E St James Ave
S Glassell @ Palmyra Ave
Rampart & Chapman
422 E. Palmyra Ave
438 S. James St
Palmyra Ave and Shaffer St
Oak St SSO
Beaton Way and Donneybrooke St
2749 N. Vista Bluff Rd
Casselle Ave (private property)
E Fairhaven Ave at S Yorba St
Hart Park
Marywood SSO
206 N Pine St
2736 N Coventry St
400 N. Blk of Glassell St
Chapman /Lewis
Farrisilk, Inc.
104 N. Sunset Dr.
1715 Community
740 Monroe way
926 La Jolla
355 W, Crowther
303 Ruby Drive
200 N ,Placentia ave
148 Ruby Drive
Holley & Magnolia
Verde & E.Shamrock

33.779444	-117.850833 Orange
33.811869	-117.852372 Orange
33.779311	-117.849147 Orange
33.779311	-117.849147 Orange
33.803092	-117.852069 Orange
33.795981	-117.853175 Orange
33.796936	-117.853303 Orange
33.784219	-117.848722 Orange
33.79919	-117.85345 Orange
33.784692	-117.866717 Orange
33.788808	-117.897391 Orange
33.830281	-117.841625 Orange
33.833175	-117.812494 Orange
33.79197	-117.87878 Orange
33.813803	-117.799086 Orange
33.787703	-117.770961 Orange
33.784568	-117.852053 Orange
33.789683	-117.864719 Orange
33.777081	-117.855109 Orange
33.791762	-117.900121 Orange
33.78636	-117.88129 Orange
33.83125	-117.82461 Orange
33.776833	-117.848892 Orange
33.781102	-117.848777 Orange
33.829725	-117.818761 Orange
33.826929	-117.781241 Orange
33.784694	-117.866714 Orange
33.832886	-117.846886 Orange
33.784492	-117.853142 Orange
33.78976	-117.88504 Orange
33.784193	-117.849245 Orange
33.781647	-117.812906 Orange
33.784231	-117.848759 Orange
33.793239	-117.834594 Orange
33.792163	-117.878826 Orange
33.834733	-117.828896 Orange
33.7772	-117.811703 Orange
33.773317	-117.827969 Orange
33.776844	-117.848922 Orange
33.830014	-117.823428 Orange
33.789856	-117.845681 Orange
33.834078	-117.801842 Orange
33.793748	-117.852749 Orange
33.788908	-117.897497 Orange
33.83359	-117.86693 Orange
33.87371	-117.87707 Orange
33.51875	-117.51995 Orange
33.86349	-117.876668 Orange
33.85568	-117.88298 Orange
33.86723	-117.8747 Orange
33.866861	-117.938889 Orange
33.87212	-117.87936 Orange
33.87827	-117.87086 Orange
34.113333	117.3925 San Bernardino
34.119256	117.378064 San Bernardino

Overflowing manhole #6908 located on E. River Ave. at S. Grand St.
Private apartment complex sewer clean-out which flowed into on-site drain leading to Trenton Ave.
Hart Park Armory parking lot manhole# 6924
Hart Park Armory parking lot manhole #6924
City manhole in front of 143 E. Jacaranda Ave.
Sewage overflowed from three cleanout caps that were on private property.
City manhole on public street
overflow from manhole #6210 in intersection of residential neighborhood
Sewage had overflowed from a City Manhole.
Overflow from manhole #6089 in W Palmyra Pl alley
Manhole located at the south/east corner of Chapman Ave and Lewis St
Manhole in residential area with church, and school nearby (Heim Ave @ Lisa Pl)
Sewage was overflowing from a City sewer manhole on Waterford St.
Sewage overflowed from a City manhole in the street.
Manhole #2400 at dead end road adjacent to Santiago Creek
Manhole #5732 is located on Canyon View Ave near SWC of Newport Blvd in hilly area of East Orange
City street manhole
Manhole #5110 located at intersection of W Maple Ave and N Lester Dr
City manhole at condo complex parking lot
City manhole at Spinnaker St & Tiller Ave
Wastewater was seeping out of a City manhole on private property at 180 S. Anita Dr.
Wastewater flowed out of a City manhole at the end of a residential cul de sac.
Spill located on walkway within city park, flowed into surface drain which lead directly to paved parking area inside Santa
Overflowing city manhole on a public street
manhole #1089 on public street
Overflowing city street manhole at residential neighborhood
manhole #6089 located in public alley
Manhole #758 on public street in residential zone
Manhole in the middle of S Glassell St, near Palmyra Ave.
City manhole on the Rampart St. side of 3099 W. Chapman Ave.
4 inch private cleanout on public right of way overflowing onto street curb and gutter
Overflowing street manhole at James St and Ruth Pl.
Overflowing city street manhole at a residential neighborhood

Overflowing city street manhole at the intersection of Beaton Way and Donneybrooke St
Sewer manhole located on private property landscape easement
rear yard of private property single family residence
Manhole on E Fairhaven Ave

Manhole above the entrance to Marywood school
Basement of SFR
Private community/streets with public sewer and storm drain lines.
Chapman University Dirt Pit
Flat commercial area, with several nearby restaurants
Manhole, Commercial buolding plumbing.
Manhole, #2 lane of westbound Chapman Ave.
Manhole, Residential grease back up.
Manhole, Commercial building grease and debri back up.
Manhole, Residential grease back up.

Tree Roots Blockage.
SSO accured do to grease in main line.
Root Intrusion

Cauldesac

go Creek, which was dry.

1

1

3

Manhole
Other (specify)
Manhole
Manhole
Manhole
Other (specify)
Manhole
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Other (specify)
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Manhole
Other (specify)
Manhole
Manhole
Manhole
Inside Building or Structure
Manhole
Upper Lateral (Private)
Manhole
Manhole
Gravity sewer
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Combined sewer D.I.
Manhole
Manhole

NA

Curb core outlet on Trenton for private on-site drain inside apartment complex

N/A

The spill appeared out of three(3) cleanout caps on private property at 568 N. Glassell St.

N/A

N/A

N/A

N/A

N/A

N/A

Manhole #758 on public street

4 inch private cleanout in the public right of way overflowing onto street curb and gutter

N/A

N/A

N/A

Hole augered by So Cal Edison for NEW telephone pole in rear yard of private property single family residence

washing machine drainpipe in basement of private residence

Uncapped lateral line on private property

3 manholes

na

na

NA

Dribbling from manhole

Separate storm drain;Street/curb and gutter;Surface water
Street/curb and gutter;Surface water
Separate storm drain;Surface water
Other (specify below)
Storm drain;Other (specify below)
Unpaved surface;Other (specify below)
Storm drain
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter;Surface water
Storm drain;Street/curb and gutter;Surface water
Storm drain
Street/curb and gutter
Other paved surface;Other (specify below)
Separate storm drain;Other (specify below)
Street/curb and gutter
Other (specify below)
Surface water
Surface water
Surface water
Separate storm drain;Other (specify below)
Other paved surface;Other (specify below)
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Separate storm drain
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter;Surface water
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Other (specify below)
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Street/curb and gutter
Separate storm drain;Surface water
Other (specify below)
Separate storm drain;Street/curb and gutter;Surface water
Surface water
Surface water
Other (specify below)
Surface water
Other (specify below)
Other (specify below);Surface Water
Separate storm drain
Other paved surface
Other paved surface
Other paved surface
Combined storm drain (combined CS only)
Combined storm drain (combined CS only)
Combined storm drain (combined CS only)
Combined storm drain (combined CS only);Other paved surface
Combined storm drain (combined CS only)
Street/curb and gutter
Street/curb and gutter

NA

Portions of the spill from the Trenton curb core outlet entered the catch basin/storm drain system on Glassell then into M:

Armory Parking Lot

City vacuum truck and storm drain.

Private hazmat crew excavated contaminated dirt as well.

N/A

N/A

Surface, concrete V ditch gutter beyond curb inlet

Vacuum truck, Handy Creek

N/A

storm drain and vacuum truck

Santiago Creek

N/A

City Vacuum truck

Swept and cleaned the paved parking area inside Santiago Creek

N/A

outlet at Santiago Creek located approximately 3000 feet from the spill discharge point

MAY have reached DRY Santa Ana River

The wastewater flowed into catch basin #02-013, into Channel 5, Fletcher Basin, and into Fletcher Channel, where all wal

City vacuum truck

Wastewater was contained on street curb and gutter and disposed of properly back into the sewer system.

N/A

N/A

sewer

Basement was cleaned by property owner, and all wastewater returned to sewer

Wastewater reaches Santiago Creek, which dries in earthen bottom.

Construction pit excavation.

Haster Basin

sewage evaporated from pavement.

na

na

Orange County Flood Control Channel.

NA

Puddled in cauldesac gutter

4/11/2009 11:00	4/11/2009 11:10	4/11/2009 11:20	4/11/2009 11:45
4/30/2009 16:00	4/30/2009 16:45	4/30/2009 17:00	4/30/2009 19:00
5/14/2009 19:55	5/14/2009 20:00	5/14/2009 20:20	5/14/2009 21:45
5/19/2009 7:40	5/19/2009 7:41	5/19/2009 8:00	5/19/2009 8:20
5/30/2009 15:00	5/30/2009 15:15	5/30/2009 15:45	5/30/2009 16:00
6/23/2009 18:00	6/23/2009 19:30	6/23/2009 20:00	6/23/2009 20:00
8/3/2009 9:15	8/3/2009 9:20	8/3/2009 9:30	8/3/2009 10:15
9/9/2009 19:30	9/9/2009 19:45	9/9/2009 19:50	9/9/2009 21:20
9/12/2009 19:00	9/12/2009 19:50	9/12/2009 20:10	9/12/2009 20:50
11/23/2009 10:30	11/23/2009 10:40	11/23/2009 10:50	11/23/2009 11:15
12/18/2009 9:30	12/18/2009 9:30	12/18/2009 9:40	12/18/2009 10:10
1/8/2010 14:00	1/8/2010 14:15	1/8/2010 14:45	1/8/2010 16:00
2/7/2010 10:15	2/7/2010 10:25	2/7/2010 10:45	2/7/2010 11:15
2/7/2010 11:15	2/7/2010 11:25	2/7/2010 11:40	2/7/2010 13:30
4/24/2010 15:00	4/24/2010 15:15	4/24/2010 15:45	4/24/2010 15:45
11/2/2010 15:50	11/2/2010 16:00	11/2/2010 16:30	11/2/2010 16:40
11/15/2010 7:20	11/15/2010 7:25	11/15/2010 7:40	11/15/2010 7:50
11/21/2010 14:15	11/21/2010 14:15	11/21/2010 15:00	11/21/2010 15:15
11/30/2010 9:00	11/30/2010 9:00	11/30/2010 9:20	11/30/2010 9:35
12/27/2010 10:00	12/27/2010 10:00	12/27/2010 10:10	12/27/2010 11:25
1/10/2011 14:30	1/10/2011 14:35	1/10/2011 15:05	1/10/2011 15:45
7/31/2011 13:10	7/31/2011 13:25	7/31/2011 14:00	7/31/2011 14:00
8/18/2011 10:15	8/18/2011 10:30	8/18/2011 10:45	8/18/2011 11:00
9/6/2011 21:35	9/6/2011 21:40	9/6/2011 22:00	9/6/2011 23:35
11/23/2011 8:15	11/23/2011 8:25	11/23/2011 8:35	11/23/2011 8:55
12/19/2011 20:40	12/19/2011 20:40	12/19/2011 21:15	12/20/2011 0:55
12/24/2011 11:40	12/24/2011 11:50	12/24/2011 12:20	12/24/2011 13:15
2/23/2012 16:30	2/23/2012 16:45	2/23/2012 17:20	2/23/2012 17:40
4/9/2012 16:30	4/9/2012 17:00	4/9/2012 17:15	4/9/2012 17:30
6/15/2012 22:05	6/15/2012 22:35	6/15/2012 23:20	6/15/2012 23:20
10/8/2012 11:30	10/8/2012 11:35	10/8/2012 11:35	10/8/2012 12:30
10/6/2012 9:45	10/6/2012 10:05	10/6/2012 10:10	10/6/2012 11:05
12/7/2012 7:30	12/7/2012 7:30	12/7/2012 8:05	12/7/2012 9:15
12/13/2012 10:45	12/13/2012 12:30	12/13/2012 12:50	12/13/2012 13:00
12/28/2012 18:45	12/28/2012 18:50	12/28/2012 19:20	12/28/2012 20:07
2/9/2013 14:00	2/9/2013 16:45	2/9/2013 17:30	2/9/2013 18:10
2/16/2013 16:55	2/16/2013 16:55	2/16/2013 18:00	2/16/2013 21:00
3/20/2013 12:50	3/20/2013 12:50	3/20/2013 13:15	3/20/2013 13:35
3/31/2013 9:30	3/31/2013 12:30	3/31/2013 13:20	3/31/2013 16:05
5/12/2013 11:00	5/12/2013 11:00	5/12/2013 11:20	5/12/2013 12:35
8/5/2013 10:30	8/5/2013 10:50	8/6/2013 12:00	8/6/2013 1:00
8/9/2013 7:30	8/9/2013 10:17	8/9/2013 10:40	8/9/2013 11:00
9/3/2013 9:30	9/3/2013 10:30	9/3/2013 10:45	9/3/2013 11:45
11/7/2013 9:40	11/7/2013 9:55	11/7/2013 10:20	11/7/2013 10:45
1/29/2008 9:00	1/29/2008 9:50	1/29/2008 10:00	1/29/2008 10:15
3/12/2008 8:00	3/12/2008 8:10	3/12/2008 8:15	3/12/2008 9:00
3/29/2010 9:30	3/29/2010 6:24	3/29/2010 9:40	3/29/2010 12:00
9/2/2010 13:50	9/2/2010 14:15	9/2/2010 14:15	9/2/2010 16:00
1/3/2011 12:40	1/3/2011 12:45	1/3/2011 12:50	1/3/2011 13:20
2/13/2011 13:50	2/13/2011 14:00	2/13/2011 14:20	2/13/2011 15:30
2/22/2011 8:05	2/22/2011 8:07	2/22/2011 8:07	2/22/2011 8:20
2/25/2012 12:45	2/25/2012 12:45	2/25/2012 14:00	2/25/2012 15:50
3/22/2013 7:45	3/22/2013 7:50	3/22/2013 8:00	3/22/2013 8:20
1/5/2007 14:00	1/5/2007 14:00	1/5/2007 14:30	1/5/2007 14:32
3/7/2007 9:30	3/7/2007 9:00	3/7/2007 9:20	3/7/2007 9:50

Vandalism
Grease deposition (FOG)
Vandalism
Debris-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Vandalism
Other (specify below)
Grease deposition (FOG)
Debris-General
Grease deposition (FOG)
Other (specify below)
Root intrusion
Vandalism
Pump station failure
Debris-General
Root intrusion
Debris-Rags
Grease deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Other (specify below)
Pump station failure
Grease deposition (FOG)
Root intrusion
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Debris-Rags
Grease deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Vandalism
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Grease deposition (FOG)
Debris-General
Grease Deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Grease deposition (FOG)
Other (specify below)
Root intrusion
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Other (specify below)

broom handle
NA
N/A
Also grease

Non-degradable wipes
Crew unable to determine any significant obstruction

N/A
Cause of blockage was a combination of grease that accumulated as a result of tree roots and sticks that had been dump

Paper Towels

N/A

N/A
FOG and rags

The cause of the blockage was unknown.
see attachment
N/A

N/A

N/A
Hand Wipes

N/A
Dry Piece of Plaster
private contractor error
general debris and grease
lift station failure

na
na
na
Pipe was damaged by So Ca Gas construction crews.
na
na
na

Grease & Roots

Main
Main
Main
Main
Main
Main
Main
Main
Main
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Main
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Main
Main
Main
Other (specify below)
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Gravity Mainline
Gravity Mainline
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Main
Main
Main

NA
NA

N/A

N/A

N/A

Pump station failure

N/A

N/A
N/A

N/A

N/A

N/A
N/A

N/A

na
na
na
na
na

Failure occurred in Main line due to grease build up.

na

8 VCP
8 VCP
6 clay
6 clay
6 clay
6 clay
6 clay
8 clay
6 clay
6 VCP
12 clay
8 VCP
8 clay
6 clay
8 VCP
8 clay
6 clay
6 VCP
6 clay
8 clay
10 VCP
8 clay
8 VCP
6 clay
8 VCP
8 clay
6 VCP
8 VCP
6 VCP
8 PVC
4 clay
8 VCP
8 VCP
8 VCP
6 VCP
8 PVC
8 VCP
8 VCP

No

No

No

8 VCP
6 VCP
8 VCP
6 VCP
12 VCP
8 VCP
8 VCP
8 vcp
4 vcp
10 vcp
8 vcp
6 vcp
10 VCP
6 vcp

96
47
48
48
55
79

97
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86
43
48
21
54
32
16
99
86

61
46
34
73
42
11
88
52
101
41

52
100
49
59
27
54
47

39
92
19
1224
564
30
30
30
30
30
30
30
30
30

NA
NA
N/A

N/A

N/A

See attached.

See Attachment.
See Attached.
See attached.

see attachment

Line cleaning frequency will be adjusted to every 6 months and considered for future capital project to upgrade to 6" in ac

See attached.

See write up
N/A
N/A

See attached.

see attached write up
See Attachment

na
na
na
na
na
Burm was set up for containment soon after arrival and vactor truck was dispatched to location of spill.
na

4/11/2009 13:40
4/30/2009 22:00
5/14/2009 23:45
5/19/2009 10:00
5/30/2009 17:00

8/3/2009 11:50

11/23/2009 11:30
12/18/2009 11:00
1/8/2010 18:15
2/7/2010 12:00

11/2/2010 18:50

11/21/2010 16:00
11/30/2010 10:45
12/27/2010 13:15
1/10/2011 16:15
7/31/2011 15:10
8/19/2011 1:00

11/23/2011 9:25
12/20/2011 1:15
12/24/2011 14:45
2/23/2012 18:00

6/16/2012 4:00

12/13/2012 14:30

2/9/2013 19:00

3/20/2013 13:55
3/31/2013 18:00
5/12/2013 14:00

8/9/2013 12:15
9/3/2013 14:00
11/7/2013 13:00
1/29/2008 23:45
3/12/2008 10:00

1/4/2011 7:21
2/14/2011 3:48
2/23/2011 3:12
2/25/2012 15:50
3/22/2013 12:21

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program

Other (specify below)

Added sewer to preventive maintenance program;Other (specify below)
Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Other (specify below)

Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance
Other (specify below)
Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)
Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

NA

Educational information given to adjacent restaurants.

N/A

N/A

City staff will talk to apartment residents and provide educational material to make them aware of consequences of dump

Sewer line cleaned / normal flow resumed

SSO event will be discussed with nearby neighboring buildings, hotel and restaurant and emphasize the need for proper FOG disposal
After incident, line was thoroughly cleaned and CCTV. Tree roots were found in adjacent lateral line and removed.

Sewer line jetted to clear blockage

N/A

A letter to residents in the neighborhood will be sent out advising them to minimize grease disposal and of items that do

Check/maintain/repair pump station

FOG flier distributed to area residents

letters/flyers to area residents

Fliers given to area residents regarding the disposal of grease and wipes into drain.

A large piece of plaster was determined to be the cause of overflow. Surrounding neighbors contacted to avoid discharging

Main line cleaned. Line will be scheduled for more frequent cleaning every two years.

replaced capacitor in lift station pumps, and budgeted for redesign and upgrade of lift station. See attached write up.
canvas neighboring properties

FOG doorhangers at community households

Private property lateral line was capped and main line cleared

notify/educate area restaurants for FOG disposition

Removed root ball and monitored for further debris.

Removed grease ball from pipe. Conducted FOG inspection of nearby facilities. Recovered spilled debris and performed

na

na

na

Vactor Combantion truck cleaned lined and Vactored grease from line. CCTV line inspection was completed for any break

na

No
No
No
No
No

No

No
No
No
No

No

No
No
No
No
No
No

No
No
No
No

No

No

No

No
No
No

No
No
No
No
No

No
No
No
No
No

Observed trickle of surface water flowing from storm drain pipe into Santiago Creek bed, which infiltrated into soil.
No visible evidence in Marlboro or Collins Channels, or Santa Ana River. Unable to detect any odors.
No odor of wastewater was noted downstream from the point of discharge at Hart Park at Glassell St. or the 22FWY. Dis
N/A
No visual impact to the Bitterbush Channel.
N/A
No odor or visual flow was noted at the soft bottom Bitterbush Channel which dumps into the Santa Ana River a mile aw
N/A
NA
Minimal liquid flowing (trickle) into dry Santa Ana River bed. No odor detected, all liquid infiltrated into 15' x 15' area
N/A
Visual inspection of Channel 5 and Fletcher Basin revealed small flow but no detectable sewage odor.
There was no odor or visual impact to the Marlboro Channel.

NA (Did not reach receiving water. Evaporated in surface V ditch)
No impact observed, unable to see/smell any effects of sewage.
N/A
No odor detected or visual evidence of spill reaching Santa Ana River
No discoloration or odor detected at Santiago Creek.
Outlet point portion to channel is located on private property that is fenced off and not accessible to the public.
A section of the Bitterbush channel that discharges to the Santa Ana River was checked and no evidence of wastewater v
N/A
N/A
N/A
no visual evidence/odor
Visual inspection of Santiago Creek on 12/20/2011 noted running water at discharge point and no odor. No visual inspect
Santa Ana River bed was dry
followed liquid to Fletcher Channel, where all infiltrated into soil.
N/A
None
N/A
N/A
N/A
Water flowing into Santiago Creek, including nuisance water and rainwater from recent storm
N/A
Nuisance water and low flow noted at Channel 5 but no odor 4000 ft from spill point. All nuisance flow infiltrated into char
N/A
None
wastewater flowed within low-flow, concrete channel and infiltrated within 50 feet of earthen section of creek, about 600 ft
Visual inspection of Buckeye Channel did not detect odors. Inspection of Santa Ana River outlet was dry.

Wastewater had to travel 2.5 miles underground before reaching outfall at Santiago Creek, which is fenced off with no pu
no impact detected
N/A

na
na
na
na
na
na
na

No
No
No
No
No

No

No
No
No
No

No

No
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N/A
N/A
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N/A
NA
N/A

N/A

NA
N/A
NA

na
na
na
na
na

Santiago Creek
Marlboro Channel, Collins Channel
Santiago Creek
N/A
N/A

N/A

Santa Ana River
East Garden Grove-Wintersburg Channel
Channel 5 and unknown if Fletcher Basin or Santa Ana River impacted (no odor detected)
NA

n/a
N/A
N/A
Santiago Creek.
Holiday Storm Drain and possibly the East Garden Grove-Wintersburg Channel.
Bitterbush Channel and Santa Ana River
N/A
Santiago Creek (dry at this point)
N/A
N/A
Santiago Creek
Santa Ana River (dry)
Channel 5, Fletcher Channel
N/A
N/A
N/A
N/A
N/A
Santiago Creek
N/A
Channel 5 and Fletcher Basin. Areas fenced off to public.
N/A
North Tustin Channel
Santiago Creek
Buckeye Channel, Collins Channel, Santa Ana River

Santiago Creek

Haster Basin
N/A
NA

StormDrain
StormDrain
catchbasin.
Orange County Flood Control Channel.
StormDrain

No water quality samples taken
No water quality samples taken
No water quality samples taken
Not applicable to this spill
No water quality samples taken

Not applicable to this spill

No water quality samples taken
No water quality samples taken
No water quality samples taken
Not applicable to this spill

No water quality samples taken

No water quality samples taken
Not applicable to this spill
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken;Not applicable to this spill
Not applicable to this spill
No water quality samples taken;Not applicable to this spill
No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken
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No water quality samples taken

No water quality samples taken
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No water quality samples taken
No water quality samples taken
No water quality samples taken

NA
NA
N/A
N/A

N/A

N/A

N/A
N/A

N/A

N/A

N/A

na
na
na
na
na

None of the above
No water quality samples taken
None of the above
None of the above
None of the above

No water quality samples taken

No water quality samples taken;Not applicable to this spill
None of the above
No water quality samples taken
Not applicable to this spill

No water quality samples taken

No water quality samples taken
Not applicable to this spill
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

None of the above
Not applicable to this spill
No water quality samples taken;Not applicable to this spill
No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

None of the above

No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken
None of the above
None of the above

No water quality samples taken
No water quality samples taken
No water quality samples taken
None of the above
None of the above

NA
NA
N/A
N/A

N/A

N/A

N/A
N/A

N/A

N/A

N/A

na
na
na

na

information and photographs from property owner

Measured volume based on spill containment geometry.
manhole vent / pick hole volume sheet

92910	4/11/2009 14:05
93356	4/30/2009 19:25
93678	5/14/2009 21:50
93771	5/19/2009 8:55
94030	5/30/2009 16:18
95414	8/3/2009 11:00
96225	9/9/2009 21:46
96272	9/12/2009 22:30
97883	11/23/2009 11:55
98414	12/18/2009 11:00
100159	1/8/2010 18:45
100988	2/7/2010 13:35
102583	4/24/2010 16:50
106587	11/2/2010 19:00
107006	11/21/2010 16:45
107166	11/30/2010 10:05
107882	12/27/2010 12:02
110175	1/10/2011 15:46
114532	7/31/2011 14:45
114927	8/19/2011 1:10
115296	9/6/2011 23:30
116969	11/23/2011 9:50
117501	12/19/2011 22:02
117583	12/24/2011 15:10
121068	2/23/2012 20:55
122091	4/9/2012 19:10
123512	6/16/2012 12:22
126023	10/6/2012 11:35
127622	12/13/2012 14:00
130866	2/9/2013 19:41
131703	3/20/2013 14:12
131937	3/31/2013 17:20
132863	5/12/2013 13:41
134914	8/9/2013 11:20
136906	11/7/2013 13:15
	3/30/2010 6:35
	9/8/2010 7:15
	1/4/2011 7:25
	2/14/2011 3:48
	2/23/2011 3:12
121112	2/26/2012 13:00
131749	3/22/2013 11:30

Tim Dunn Env Compl Specialist

7145326461

Gene Estrada

7147445547

Tim Dunn, Environmental Compliance Specialist

7145326461

8SSO10594	Active	649267 Julie Carver	Certified
8SSO10594	Active	712190 Julie Carver	Certified
8SSO10594	Active	724369 Julie Carver	Certified
8SSO10594	Active	732575 Julie Carver	Certified
8SSO10594	Active	737208 Julie Carver	Certified
8SSO10594	Active	752064 Julie Carver	Certified
8SSO10594	Active	756505 Julie Carver	Certified
8SSO10594	Active	757449 Julie Carver	Certified
8SSO10594	Active	770229	Ready To Certify
8SSO10594	Active	772810	Ready To Certify
8SSO10594	Active	775845	Ready To Certify
8SSO10596	Active	763045 Susan Bell	Certified
8SSO10597	Active	656136 Henry Heredia	Certified
8SSO10597	Active	711588 Henry Heredia	Certified
8SSO10597	Active	759769 Isaiah Hall	Certified
8SSO10597	Active	781770 Isaiah Hall	Certified
8SSO10597	Active	787897 Isaiah Hall	Certified
8SSO10600	Active	747246 Stephen Samaras	Certified
8SSO10600	Active	765630 Stephen Samaras	Certified
8SSO10600	Active	797694 Steve Samaras	Certified
8SSO10600	Active	798594 Steve Samaras	Certified
8SSO10601	Active	745574	Ready To Certify
8SSO10601	Active	747405 william rankin	Certified
8SSO10602	Active	646383 Thom Coughran	Certified
8SSO10602	Active	646889 Thom Coughran	Certified
8SSO10602	Active	647897 Cesar E. Barrera	Certified
8SSO10602	Active	649756 Cesar E. Barrera	Certified
8SSO10602	Active	653931 Thom Coughran	Certified
8SSO10602	Active	654370 Thom Coughran	Certified
8SSO10602	Active	707337 Thom Coughran	Certified
8SSO10602	Active	733853 Thom Coughran	Certified
8SSO10602	Active	739014 Thom Coughran	Certified
8SSO10602	Active	744307 RAY BURK	Certified
8SSO10602	Active	744313 Cesar E. Barrera	Certified
8SSO10602	Active	744427 RAY BURK	Certified
8SSO10602	Active	744934 Raymond Burk	Certified
8SSO10602	Active	746998 Cesar E. Barrera	Certified
8SSO10602	Active	751306 Cesar Barrera	Certified
8SSO10602	Active	755232 Cesar E. Barrera	Certified
8SSO10602	Active	756132 Cesar E. Barrera	Certified
8SSO10602	Active	756206 Cesar E. Barrera	Certified
8SSO10602	Active	757425 Cesar E. Barrera	Certified
8SSO10602	Active	758395 Cesar E. Barrera	Certified
8SSO10602	Active	760042 Cesar E. Barrera	Certified
8SSO10602	Active	761697 Cesar E. Barrera	Certified
8SSO10602	Active	763790 Cesar E. Barrera	Certified
8SSO10602	Active	764723 Cesar E. Barrera	Certified
8SSO10602	Active	765134 Cesar E. Barrera	Certified
8SSO10602	Active	765361 Cesar E. Barrera	Certified
8SSO10602	Active	766534 Cesar E. Barrera	Certified
8SSO10602	Active	766966 Cesar E. Barrera	Certified
8SSO10602	Active	767117 Cesar E. Barrera	Certified
8SSO10602	Active	772829 Cesar E. Barrera	Certified
8SSO10602	Active	774351 Cesar E. Barrera	Certified
8SSO10602	Active	774783 Cesar E. Barrera	Certified

Environmental Compliance Coordinator
Environmental Compliance Coordinator
Env. Compliance Coordinator
Environmental Compliance Coordinator
Env. Compliance Coordinator
Env. Compliance Coordinator
Environmental Compliance Coordinator
Environmental Compliance Coordinator

General Manager
Field Supervisor
Field Supervisor
Collection Division Supervisor
Wastewater Collection Supervisor
Collections Supervisor
Operations Manager (Interim)
Operations Manager (Interim)
Operations Manager
Operations Manager

director of facilities
Water Resources Manager
Water Resources Manager
Acting Principal Engineer
Acting Principal Engineer
Water Resources Manager
Water Resources Manager
Water Resources Manager
Water Resources Manager
Water Resources Manager
ACTING WATER RESOURCES MANAGER
Acting Principal Engineer
ACTING WATER RESOURCES MANAGER
Acting Water Resources Manager
Senior Civil Engineer
Acting Principal Civil Engineer
Acting Principal Engineer
Acting Principal Civil Engineer
Acting Principal Engineer
Acting Principal Civil Engineer
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Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer

Rialto	640829
Rialto	442749
Rialto	253718
Rialto, CA	565378
Rialto	788725
Rialto	796424
Rialto, California	263098
Rialto	799058

Los Alamitos	189068
	12:26
Running Springs	935726
	692197
	3:30 PM
	3:02 PM
1:47pm	603240
1410 hrs.	720140
Victorville	774989
VV	435864
VV	487058
	194520
	258314

	8:35 AM
Santa Ana	512988
Santa Ana	967407
Santa Ana	458188
City Yard	689613
City Yard	514359
Santa Ana	999661
Santa Ana	121117
Santa Ana	341229
Santa Ana	123690
Santa Ana	358942
SANTA ANA, CA	112189
City Yard	820514
SANTA ANA, CA	648372
Santa Ana, Ca	881058
Santa Ana, CA	178819
Santa Ana, CA	397949
City Yard	548073
City Yard	434341
City Yard	858829
City Yard	651612
City Yard	758989
City Yard	282601
City Yard	797020
City Yard	637733
City Yard	464256
City Yard	690203
City Yard	664185
City Yard	381626
City Yard	192469
City Yard	746423
City Yard	377442
City Yard	357745
City Yard	382721

12-Apr-07		6-Dec-10	12/6/2010
1-Feb-08		6-Dec-10	12/6/2010
7-Aug-08		9-Sep-08	12/13/2010
26-Jan-09		15-Apr-09	4/15/2009
7-May-09		11-May-09	12/13/2010
30-Apr-10		5-May-10	12/13/2010
31-Aug-10	8/31/2010	31-Aug-10	8/31/2010
7-Oct-10	10/7/2010	11-Oct-10	10/11/2010
22-Aug-11	8/22/2011		
7-Nov-11	11/7/2011		
13-Jan-12	1/13/2012		
15-Feb-11	2/15/2011	15-Feb-11	2/15/2011
22-Aug-07		22-Aug-07	8/22/2007
23-Jan-08		23-Jan-08	1/23/2008
23-Dec-10	12/23/2010	31-Jan-11	1/31/2011
31-May-12	5/31/2012	31-May-12	5/31/2012
6-Nov-12	11/6/2012	6-Nov-12	11/6/2012
1-Dec-09		22-Oct-10	10/22/2010
19-Apr-11	5/6/2011	19-May-11	5/19/2011
8-Aug-13	8/8/2013	20-Sep-13	9/20/2013
9-Sep-13	9/9/2013	20-Sep-13	9/20/2013
13-Oct-09			
9-Dec-09		9-Dec-09	12/9/2009
29-Jan-07		14-Feb-07	2/14/2007
9-Feb-07		14-Feb-07	2/14/2007
13-Mar-07		14-Mar-07	12/15/2010
24-Apr-07		24-Apr-07	12/15/2010
10-Jul-07		11-Jul-07	7/11/2007
18-Jul-07		19-Jul-07	7/19/2007
6-Nov-07		13-Nov-07	11/13/2007
18-Feb-09		18-Mar-09	3/18/2009
11-Jun-09		16-Jun-09	6/16/2009
4-Sep-09		17-Sep-09	9/17/2009
6-Sep-09		17-Sep-09	12/15/2010
9-Sep-09		17-Sep-09	9/17/2009
22-Sep-09		6-Nov-09	11/6/2009
23-Nov-09		30-Nov-09	11/30/2009
5-Apr-10		30-Jul-10	7/30/2010
19-Jul-10	7/19/2010	30-Jul-10	12/15/2010
18-Aug-10	8/18/2010	19-Aug-10	8/19/2010
19-Aug-10	8/19/2010	1-Sep-10	12/15/2010
6-Oct-10	10/6/2010	21-Oct-10	10/21/2010
5-Nov-10	11/8/2010	22-Nov-10	12/15/2010
30-Dec-10	12/30/2010	10-Jan-11	1/10/2011
24-Jan-11	1/24/2011	7-Feb-11	2/7/2011
28-Feb-11	2/28/2011	14-Mar-11	3/14/2011
23-Mar-11	3/23/2011	30-Mar-11	3/30/2011
5-Apr-11	4/5/2011	8-Apr-11	4/8/2011
11-Apr-11	4/11/2011	25-Apr-11	4/25/2011
16-May-11	5/16/2011	8-Jun-11	6/8/2011
31-May-11	5/31/2011	8-Jun-11	6/8/2011
2-Jun-11	6/2/2011	8-Jun-11	6/8/2011
8-Nov-11	11/8/2011	28-Nov-11	11/28/2011
20-Dec-11	12/20/2011	4-Jan-12	1/4/2012
27-Dec-11	12/27/2011	5-Jan-12	1/5/2012

Category 3		100	
Category 3		100	100
Category 1		2320	50
Category 3		100	100
Category 1		150	0
Category 1		10500	8000
Category 3		400	5
Category 3		60	0
Category 3		330	300
Category 2		2200	1980
Category 3		250	0
Category 1		700	200
Category 3		5	0
Category 2		7000	0
Category 1		5891334	0
Category 3		15	15
Category 3		600	600
Category 3		150	0
Category 1		120	0
Category 3	0	50	10
Category 3	50	50	40
Category 3		45	45
Category 3		45	45
Category 3		100	
Category 3		100	
Category 1		300	50
Category 1		300	100
Category 1		130	30
Category 1		350	40
Category 3		100	100
Category 3		100	100
Category 2		1500	1500
Category 3		300	300
Category 1		1275	525
Category 3		450	450
Category 3		675	675
Category 3		45	45
Category 3		30	30
Category 1		325	75
Category 3		45	45
Category 1		455	300
Category 1		225	0
Category 1		900	50
Category 3		25	25
Category 3		150	150
Category 3		300	300
Category 1		700	600
Category 3		100	100
Category 3		225	225
Category 3		225	225
Category 2		1350	350
Category 2		2125	625
Category 1		1000	250
Category 3		125	125
Category 3		600	225

No	No
No	No
2320 Yes	Yes
0 No	No
150 Yes	Yes
2500 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
500 Yes	No
0 No	No
0 No	No
5891334 Yes	Yes
0 No	No
0 No	No
0 No	No
110 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
No	No
No	No
250 Yes	Yes
200 Yes	Yes
100 Yes	Yes
310 Yes	Yes
No	No
0 No	No
0 No	No
0 No	No
750 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
250 Yes	Yes
0 No	No
155 Yes	Yes
225 Yes	Yes
850 Yes	Yes
0 No	No
0 No	No
0 No	No
100 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
750 Yes	Yes
0 No	No
0 No	Yes

[illegible]

Manhole # 169.42
City OF Rialto
Intersection of Riverside Ave & Foothill Blvd
380 N. Spruce
City of Rialto
Ayala Lift station inverted siphon
Meridian & Madrona
Rialto Sewer collection system
las palmas apartments
Rail yard spill
Manhole 219-5
12801 Martha Ann, Rossmoor, Ca 90720
Downtown RS spill
Alder Ct
Running Springs Sewer Interceptor
32538 Scandia Drive Running Springs, CA. 92382
31098 Hilltop Blvd.
EASEMENT BEHIND 1133 BROOKSIDE LANE
Fawnskin at Mile marker 5540, 20' from the intersection of HWY 38 and Gray Back
39348 Cedar Dell rd. Fawnskin Ca.
CSA 53B FAWNSKIN - MANHOLE #150 ON BROOKSIDE LANE RD. (CROSS - LODGE RD.)
Auto Zone
auto zone
MANHOLE H12-047
MANHOLE H12-047
Parking structure at 300 E. Fifth Street
Manhole at the intersection of Bristol and Myrtle Sts.
Manhole in easement at shopping center at 3600 S. Bristol St.
Manhole at 1126 E. Aspen
MH H11-047
SEWER MANHOLE NO. D11-009
Sewer manhole no. D13-016
1601 S. STANDARD AVE.
Washington Ave
Manhole No. I09-055
2606 W. Stanford St.
Santa Clara Ave & Fairmont Ave
2226 S. Evergreen
Manhole J02-032
718 E. Catalina
302 S. Newhope Street
3231 S. Standard Ave.
City Of Santa Ana - MH #G13-035
MH D11-009
MH # H03-072
MH E12-010
MH I11-004
MH# M11-024
MH J07-034
MH#I11-005
MH ID K03-050
MH ID F09-026
MH M07-059
MH# E12-010 1801 N. Linwood Ave.
Manhole #N09-003

34.136389	117.379167 San Bernardino
34.1162	117.366039 San Bernardino
34.106667	-117.370278 San Bernardino
34.106389	-117.387778 San Bernardino
34.116944	-117.353333 San Bernardino
34.136111	-117.539722 San Bernardino
34.116944	-117.348611 San Bernardino
34.150556	-117.654722 San Bernardino
34.09883	-117.40304 San Bernardino
34.09706	-117.38385 San Bernardino
34.11995	-117.3661 San Bernardino
33.776111	-118.086389 Orange
34.277222	117.195 San Bernardino
34.46194	117.2872 San Bernardino
34.201111	-117.134167 San Bernardino
34.206083	-117.09375 San Bernardino
34.20512	-117.10732 San Bernardino
34.322778	-116.933333 San Bernardino
34.267111	-116.941722 San Bernardino
34.272716	-116.943458 San Bernardino
34.316944	-116.933333 San Bernardino
34.08515	-117.31347 San Bernardino
34.08515	-117.31347 San Bernardino
33.749278	117.847833 Orange
33.749278	117.847833 Orange
33.748806	-117.864889 Orange
33.741783	-117.885147 Orange
33.699167	117.8875 Orange
33.767778	117.854722 Orange
33.749783	117.852175 Orange
33.766542	-117.857989 Orange
33.765003	-117.8379 Orange
33.726192	-117.856503 Orange
33.75578	-117.89305 Orange
33.742358	-117.871669 Orange
33.7262	-117.90431 Orange
33.7665	-117.85797 Orange
33.71731	-117.85769 Orange
33.7395	-117.93029 Orange
33.76389	-117.85882 Orange
33.74315	-117.92934 Orange
33.70422	-117.85841 Orange
33.7526	-117.83915 Orange
33.76631	-117.85801 Orange
33.74889	-117.92136 Orange
33.76092	-117.84923 Orange
33.74317	-117.8503 Orange
33.72352	-117.85757 Orange
33.73943	-117.8916 Orange
33.74322	-117.85049 Orange
33.73094	-117.92654 Orange
33.75492	-117.87433 Orange
33.72371	-117.89007 Orange
33.76089	-117.84856 Orange
33.71791	-117.86794 Orange

manhole in residential street

intersection of Madrona & Birch

railyard

Main line root intrusion - spill coming out of man hole onto the street and into the stormdrain.

In front of Coldwell banker realty

At the end of Alder Ct which is a dead end.

Spill is approximately 1/4 mile southwest of Fredalba rd on an easement in Little mill canyon. The sewer interceptor to the

Small sewer spill behind residence at Manhole 44. Customer reported small amount of water coming out of a sewer manf

Sewer mainline is located behind commercial building at 31098 Hilltop blvd. Spill was a back up in a basement through flk

intermittent spill coming out of a cleanout buried under the asphalt

BROOKSIDE LANE IN FAWNSKIN, CROSS STREET LODGE RD. MANHOLE #150

Auto Zone parking lot sewer cleanout

auto zone parking lot sewer cleanout

Sewer manhole number I08-028

Sewer manhole number S07-024

Manhole no. D11-034

TERMINAL MANHOLE AT 1105 E. 6TH. ST.

Manhole and sewer are located in an easement West of Tustin Ave.

SEWER MANHOLE NO. L11-027

SSO Occured at MH F07-044, Intersection of Washington Ave & Raitt St.

Manhole in alley behind 401 S. Ross St.

MH ID # L05-008

MH Located in the intersection of Santa Clara Ave & Fairmont Ave (D11-009).

MH N11-051

Spill originated from manhole #J02-032

MH E10-059

MH I09-009

400 feet South of the Intersection of Standard & Alton. Discharge occured out of MH #Q10-017.

Originated from Manhole #G13-035 at intersection of Fruit St. with Mirasol St.

Manhole ID D11-009, located at intersection of Santa Clara Ave. and Fairmont St.

Spill originated from MH#H03-072 in front of 3900 W. Fifth Street

Spill originated from MH#E12-010 in front of 1802 N. Linwood Ave.

Northbound side of Grand just north of Chestnut Ave.

Spill originated from MH# M11-024 in front of 1911 S. Evergreen

Spill originated from MH# J07-034 in front of 1713 W. Raymar st.

Spill originated from Manhole #I11-005 Downstream off a siphon manhole is on the sidewalk across from 324 South Gran

Spill originated from Manhole K03-050 next to 4319 W. Edinger Ave. Manhole is in the sidewalk where Edinger ,Gates, at

Manhole at intersection of Parton Street and Lime Street

Spill originated from MH# M07-059 located at 1622 W. Occidental St.

Spill originated from city manhole MH# E12-010

Manhole at intersection of Main Street and Anahurst Place

sewer treatment plant was located in the canyon
hole in their back yard. This is a steep hill
and the storm drains directly connected to sewer la

1
1

and Ave.
and Lilac meet.

Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Force main or pressure sewer
Gravity sewer
Manhole
Building or structure
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer;Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole

Located approximately 30 yards from lift stations #5.

Spill was a backup into a commercial building basement after clearing the mainline the basement drained back into the sewer

M/H #185

MANHOLE

Spill appeared from bathroom located in parking structure.

MH I11-004

Unpaved surface
Other (specify below)
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain
Separate storm drain;Street/curb and gutter
Storm drain
Street/curb and gutter
Other paved surface
Unpaved surface
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Unpaved surface
Surface water
Unpaved surface
Building or structure
Unpaved surface
Surface water
Unpaved surface;Street/curb and gutter
Drainage Channel
Building or structure
Other paved surface
Other paved surface
Other paved surface;Street/curb and gutter
Separate storm drain
Separate storm drain;Surface water
Storm drain
Surface water
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Separate storm drain
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Other paved surface
Street/curb and gutter;Other (specify below)
Storm drain
Separate storm drain
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain
Separate storm drain
Surface water
Street/curb and gutter
Separate storm drain

All flow vacuummed and drained back into collection system

all liquid that escaped from the manhole traveled south on Pepper until it reached a storm drain near Pepper and Rialto / lined concrete storm channel

Most of raw sewage backed into 5 homes

Spilled into a ditch and flowed approximately 50 yards then dissipated.

unpaved surface but reached paved back deck area of residence.

Big Bear Lake

10 gallons entered a drainage channel, however it never did exit. Cat. level of #3 was confirmed by Mr. Najah with the Re

SPILL CAPTURED WITH VACTOR TRUCK AND RETURNED TO SEWER SYSTEM

SPILL CAPTURED WITH VACTOR TRUCK AND RETURNED TO SEWER SYSTEM

Local Storm Drain

Upper Newport Bay

Upper Newport Bay

Spill contained and cleaned up entirely on private property vacant site.

SPILL CONTAINED IN CURB AND GUTTER AND RETURNED TO SEWER MANHOLE

C5 Channel

Spill entered into the storm drain catch-basin located at 3231 S. Standard Ave. (cul-de-sac 300 feet south of MH # Q10-0

Spill entered the storm drain catch basin located at 1926 Fruit Street (150 feet West of MH #G13-035). Said catch basin i

Storm drain channel F-10

Channel F-02 (Santa Ana Gardens Channel)

Spill entered the storm drain catch-basin located at intersection of Broadway and Main Street (280 feet South of MH # NC

4/9/2007 10:30	4/9/2007 8:45	4/9/2007 9:15	4/9/2007 10:40
1/31/2008 7:50	1/31/2008 7:37	1/31/2008 7:50	1/31/2008 8:00
8/5/2008 10:30	8/5/2008 10:00	8/5/2008 10:30	8/5/2008 14:00
1/22/2009 4:45	1/22/2009 3:20	1/22/2009 4:45	1/22/2009 4:45
5/3/2009 8:45	5/3/2009 8:46	5/3/2009 9:45	5/3/2009 10:00
4/29/2010 14:26	4/29/2010 14:26	4/29/2010 14:35	4/29/2010 15:15
8/28/2010 10:50	8/28/2010 10:50	8/28/2010 11:50	8/28/2010 12:10
10/5/2010 7:53	10/5/2010 7:53	10/5/2010 7:53	10/5/2010 8:00
8/18/2011 23:00	8/18/2011 20:00	8/18/2011 23:00	8/19/2011 0:06
11/3/2011 12:10	11/3/2011 11:40	11/3/2011 12:10	11/3/2011 12:30
1/12/2012 8:40	1/12/2012 8:25	1/12/2012 8:40	1/12/2012 8:50
2/14/2011 8:00	2/14/2011 10:25	2/14/2011 10:30	2/14/2011 1:00
8/21/2007 16:10	8/21/2007 16:16	8/21/2007 16:20	8/21/2007 16:50
1/21/2008 0:00	1/21/2008 16:05	1/21/2008 16:08	1/21/2008 16:09
12/22/2010 5:30	12/22/2010 5:30	12/22/2010 5:30	12/28/2010 7:15
5/27/2012 1:45	5/27/2012 1:45	5/27/2012 2:05	5/27/2012 3:05
10/29/2012 7:00	10/31/2012 10:30	10/31/2012 10:35	10/31/2012 11:30
11/25/2009 15:00	11/25/2009 15:00	11/25/2009 15:15	11/25/2009 15:45
4/19/2011 12:20	4/19/2011 12:30	4/19/2011 12:30	4/19/2011 13:55
8/1/2013 17:15	8/1/2013 17:15	8/1/2013 18:00	8/1/2013 18:45
9/9/2013 10:00	9/9/2013 10:00	9/9/2013 10:30	9/9/2013 11:10
10/7/2009 16:00	10/7/2009 16:45	10/7/2009 17:05	10/7/2009 17:15
10/7/2009 16:00	10/7/2009 16:45	10/7/2009 17:05	10/7/2009 17:15
1/23/2007 16:50	1/23/2007 16:50	1/23/2007 17:15	1/23/2007 19:00
1/27/2007 16:08	1/27/2007 16:08	1/27/2007 16:30	1/27/2007 17:30
3/12/2007 8:00	3/12/2007 10:20	3/12/2007 10:30	3/12/2007 10:45
4/21/2007 12:30	4/21/2007 12:30	4/21/2007 13:00	4/21/2007 12:45
7/9/2007 7:15	7/9/2007 7:15	7/9/2007 7:45	7/9/2007 8:20
7/18/2007 9:10	7/18/2007 9:10	7/18/2007 9:20	7/18/2007 10:20
11/1/2007 3:20	11/1/2007 3:20	11/1/2007 3:40	11/1/2007 4:00
2/16/2009 10:00	2/16/2009 10:00	2/16/2009 10:15	2/16/2009 12:15
6/10/2009 16:30	6/10/2009 17:00	6/10/2009 17:15	6/10/2009 17:30
9/2/2009 8:15	9/2/2009 8:40	9/2/2009 8:55	9/2/2009 9:15
9/6/2009 13:30	9/6/2009 13:30	9/6/2009 14:45	9/6/2009 14:55
9/8/2009 8:20	9/8/2009 8:30	9/8/2009 8:45	9/8/2009 8:50
9/21/2009 17:15	9/21/2009 17:15	9/21/2009 18:40	9/21/2009 18:50
11/22/2009 11:00	11/22/2009 11:30	11/22/2009 11:35	11/22/2009 12:30
3/25/2010 17:40	3/25/2010 17:55	3/25/2010 17:55	3/25/2010 17:55
7/18/2010 9:25	7/18/2010 9:25	7/18/2010 10:15	7/18/2010 10:30
8/15/2010 21:15	8/15/2010 21:15	8/15/2010 21:40	8/15/2010 22:00
8/19/2010 8:30	8/19/2010 8:35	8/19/2010 9:00	8/19/2010 9:05
10/6/2010 11:30	10/6/2010 11:30	10/6/2010 11:40	10/6/2010 11:45
11/4/2010 20:45	11/4/2010 20:45	11/4/2010 21:30	11/4/2010 22:15
12/30/2010 11:45	12/30/2010 11:45	12/30/2010 12:05	12/30/2010 12:10
1/22/2011 17:00	1/22/2011 17:00	1/22/2011 17:35	1/22/2011 18:15
2/25/2011 17:00	2/25/2011 17:00	2/25/2011 17:10	2/25/2011 18:00
3/22/2011 10:40	3/22/2011 10:40	3/22/2011 10:45	3/22/2011 11:15
4/4/2011 9:50	4/4/2011 9:50	4/4/2011 10:00	4/4/2011 10:10
4/10/2011 18:15	4/10/2011 18:15	4/10/2011 18:45	4/10/2011 19:00
5/13/2011 20:00	5/13/2011 20:00	5/13/2011 20:35	5/13/2011 20:45
5/28/2011 13:35	5/28/2011 13:35	5/28/2011 13:50	5/28/2011 14:20
6/1/2011 17:30	6/1/2011 17:30	6/1/2011 17:45	6/1/2011 18:55
11/6/2011 10:00	11/6/2011 10:00	11/6/2011 10:30	11/6/2011 10:40
12/19/2011 12:00	12/19/2011 12:00	12/19/2011 12:20	12/19/2011 12:25
12/26/2011 10:55	12/26/2011 10:55	12/26/2011 11:30	12/26/2011 11:35

Vandalism
Debris
Debri-General
Grease deposition (FOG)
Vandalism
Debri-General
Debri-General
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Debri-General
Root intrusion
Grease deposition (FOG)
Pipe structural problem/failure
Other (specify below)
Root intrusion
Root intrusion
Debri-General
Other (specify below)
Root intrusion
Root Intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Grease deposition (FOG)
Debri-Rags
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Debri-Rags
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)

grease and partial broom stick
FOG and rags

Split on the force main.
Flood on 12/22/2010 washed out the canyon the interceptor was located in. Large boulder crushed the concrete blanket a

Although grease and a small animal carcass were removed during the initial cleaning, the underlying cause for the SSO v
Debris and Roots

rocks in manhole from construction
rocks in manhole from construction
COMBINATION OF PAPER AND GREASE
COMBINATION OF PAPER AND GREASE

Traffic delineation cone was wedged in manhole trough
Grease and paper
Sandbags, probably left by a contractor
PUMPER TRUCK COMPANY DISCHARGE, DEBRIS FROM TRUCK PLUGGED THE SEWER

LARGE BALL OF PAPER
Heavy Grease & Paper

It was a combination of FOG & Roots.

Concrete debris introduced into manholes from street improvement activities

Main

Other (specify below)

Main

Main

Upper Lateral

Other (specify below)

Main

Main

Other (specify below)

Main

Main

Main

Main

Main

Gravity Mainline

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

between manholes #'s 234-8 & 234-9

Landscape poles, 3', were inserted into manhole pick holes and landscape poles captured enough debris to finally cause a

drop manhole

The failure occurred in Little Mill Canyon between manholes 38 and 36. Manhole 37 is severely damaged.
back lot sewer easement mainline

The section of 8" main where the stoppage was located is 60' west of MH # 159. The spill originated at MH # 159 GPS N3

a blockage.

6

8 CLAY

8

8 clay

8 VCP

AC

6 pvc

15 ACP

8 ACP

8 ACP

14 deg. 16.202 W116 deg. 5

8 Truss

8 Truss

No

6 Truss Pipe

No

8 TRUSS

8

8

6 VCP

6 VCP

8 vcp

24 vcp

8 VCP

8 VCP

6 VCP

6 VCP

8 VCP

8 VCP

6 VCP

6 VCP

8 vcp

6 VCP

6 VCP

8 VCP

6 VCP

8 VCP

8 VCP

8 VCP

6 VCP

8 VCP

6 VCP

8 VCP

6 VCP

6 VCP

8 vcp

12 VCP

6 VCP

8 VCP

6 VCP

8 VCP

1

48

52

37

35

41

42

30

30

40

300

444

1

1

1900

1900

1968

1972

1962

1948

1963

50

27

89

53

61

59

47

59

46

41

52

62

1963

58

87

62

56

46

52

92

35

58

91

On April 9, 2007 (0845 hours) Ralph Roberts, SANBAG field supervisor, reported that sewage was backing up in manhole

Shoveled all grease into bags and deposited at the wastewater treatment plant

Determined that flow was coming out of the force main so we shut down the lift station and started transferring wastewater
We are in the process of replacing the sewer main. We will have to reroute the main away from the creek. The creek is :
responded immediately lowered the flow and stopped spill immediately by using hand tools to lower level in surcharged r
Removed roots with high velocity jetter which immediately drained basement back into sanitary sewer. Followed up with C
On Wednesday, November 25, 2009, the County of San Bernardino, Special Districts Department Water and Sanitation I

Removed traffic cone from the sewer

MET WITH THE PUMPER TRUCK COMPANY, INSURED THAT NO FUTURE TRUCK DISCHARGE TO SEWER IS AL

Sanitized (using bleach, deodorizer, and flush with nearby hydrant) impacted gutter and C-5-F drainage channel, while c

A Capital Improvement Project that will replace the section of sewer main that failed and caused the sso is currently out to

CCTV inspection identified a sag in the sewer main that we believe led to the accumulation of FOG in the line. Sewer ma

8/5/2008 20:15

5/3/2009 12:15
4/29/2010 19:30
8/28/2010 2:20

11/3/2011 15:00

2/14/2011 1:00

1/22/2008 15:00
12/28/2010 7:15

4/19/2011 22:30

3/12/2007 10:45
4/21/2007 13:45
7/9/2007 8:20
7/18/2007 10:20

6/11/2009 12:00

9/6/2009 15:45

7/18/2010 10:30

8/19/2010 10:00
10/6/2010 11:45
11/4/2010 23:30

3/22/2011 11:15

5/28/2011 15:30
6/1/2011 22:30
11/6/2011 11:30

12/26/2011 11:35

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Repaired sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Enforcement action against FOG source

This entire section of main including three manholes are being bypassed and replaced. The flood destroyed approximately

Cleaned Sewer Pipe, CCTV Pipe, 100% Capacity

Notified construction inspectors to question contractors working in spill area and prevent future incidents.

Removed the sandbags from sewer, restored flow, this was an isolated incident.

FOG educational material is going to be disseminated to high density dwelling unit that discharges upstream of where the
Disseminated FOG discharge educational material to all FSE's upstream of SSO.

Spill was directly caused by debris introduced into sewer system by contractors performing street improvements. No further

Engineering is studying the feasibility of replacing sewer

FSE's scheduled for BMP inspection

No

No

No

No

No

No

No

Yes

No

No

No

No

No

No

No

No

No

No

No

No

No

No

Yes

No

N/A

The creek had visual signs of sewer debris and has been cleaned up. Cleanup took from 12/28/2010 to 1/2/2011
none

N/A

N/A

N/A

No visual impacts to receiving C-5-F Channel.

Evidence of sewer spill was not able to be determined from visual inspection of F-8 Channel.

No residual evidence of SSO was found during visual inspection of F-11 Channel by City staff and Orange County Public

Visual inspection performed on Channel F10. No evidence of sewage found.

Evidence of sewer spill was not able to be determined from visual inspection of F01 Channel.

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

No

N/A

N/A

N/A

N/A

NA

Unknown

none

N/A

N/A

N/A

NA

Unknown drainage channel

Unknown

Unknown name of channel

N/A

n/a

none

none

Unknown

NA

Little Mill Creek

none

Big Bear Lake

Local Storm Drain

Local Storm Drain of F01 Channel

Storm drain ultimately discharges to Upper Newport Bay, but due to long distance (several miles) and small spill volume,

Storm drain ultimately discharges to Upper Newport Bay, but due to long distance (several miles) and small spill volume,

N/A

Santa Ana River

C05 Channel

C5 Channel

F-8 Channel.

F-11 Channel

None/Not Applicable

Storm Drain Channel F-10

N/A

Channel C06

F01 Channel located approx. 3 miles downstream of spill.

Channel F-02 (Santa Ana Gardens Channel)

F-01 Channel (aka Santa Ana Del-Hi Channel)

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Bacterial

Samples were taken above, at the site and below. Samples taken were BOD, NFR and BACTERIAL

15 tube bacteriological tests taken

No water quality samples taken

None of the above

No water quality samples taken

No water quality samples taken

None of the above

None of the above

County Health Agency

Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

None of the above

No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken

None of the above

No water quality samples taken

No water quality samples taken

None of the above;No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

None of the above

None of the above

Sample results will be submitted to SWRCQB Santa Anna Region

intermittent spill coming out of a cleanout buried under the asphalt, estimated by wet area of asphalt and puddle depth.
ESTIMATED SPILL FLOW 1/2 GPM, FLOW CONTAINED IN CONTAINMENT WAS ESTIMATED IN GALLONS. PICTU

85674	8/5/2008 13:30
93404	5/3/2009 12:20
102696	4/29/2010 16:18
105173	
116575	11/3/2011 17:00
110902	2/15/2011 10:00
75039	8/22/2007 12:15
80613	1/22/2008 11:15
107740	12/22/2010 6:30
98008	11/30/2009 15:45
112472	4/19/2011 14:42
96879	10/13/2009 8:18
96879	
94288	6/11/2009 9:50
96164	9/6/2009 15:20
104329	7/19/2010 8:07
104969	8/19/2010 10:10
106025	10/6/2010 12:20
106657	11/4/2010 23:15
111780	3/22/2011 12:33
112977	5/13/2011 20:05
113239	5/28/2011 15:08
113301	6/1/2011 19:32
116615	11/6/2011 12:25
117596	12/26/2011 12:57

James Baldwin
LISA GREEN, REGULATORY COMPLIA

7609621517
7609621537

8SSO10602	Active	775252 Cesar E. Barrera	Certified
8SSO10602	Active	776017 Cesar E. Barrera	Certified
8SSO10602	Active	780551 Cesar E. Barrera	Certified
8SSO10602	Active	782799 Cesar E. Barrera	Certified
8SSO10602	Active	783938 Cesar E. Barrera	Certified
8SSO10602	Active	784351 Cesar E. Barrera	Certified
8SSO10602	Active	787484 Cesar E. Barrera	Certified
8SSO10602	Active	788238 Cesar E. Barrera	Certified
8SSO10602	Active	789455 Nabil Saba	Certified
8SSO10602	Active	791860 Cesar E. Barrera	Certified
8SSO10602	Active	796661 Nabil Saba	Certified
8SSO10602	Active	798819 Nabil Saba	Certified
8SSO10602	Active	799593	Submit Draft
8SSO10603	Active	708360 Richard Haller	Certified
8SSO10603	Active	716706 Richard Haller	Certified
8SSO10603	Active	716707 Richard Haller	Certified
8SSO10603	Active	716708 Richard Haller	Certified
8SSO10603	Active	733182 David P. Ruhl	Certified
8SSO10603	Active	735688 David Ruhl	Certified
8SSO10603	Active	737471 David Ruhl	Certified
8SSO10603	Active	740594 David Ruhl	Certified
8SSO10603	Active	741661 David Ruhl	Certified
8SSO10603	Active	745388 David P. Ruhl	Certified
8SSO10603	Active	748024 David Ruhl	Certified
8SSO10603	Active	748345 David Ruhl	Certified
8SSO10603	Active	748348 David Ruhl	Certified
8SSO10603	Active	748362 David Ruhl	Certified
8SSO10603	Active	753058 David Ruhl	Certified
8SSO10603	Active	760367 David Ruhl	Certified
8SSO10603	Active	767232 David Ruhl	Certified
8SSO10603	Active	767233 David Ruhl	Certified
8SSO10603	Active	767234 David Ruhl	Certified
8SSO10603	Active	767235 David Ruhl	Certified
8SSO10603	Active	767806 David Ruhl	Certified
8SSO10603	Active	769808 David Ruhl	Certified
8SSO10603	Active	769815 David Ruhl	Certified
8SSO10603	Active	772248 David Ruhl	Certified
8SSO10603	Active	776112 David Ruhl	Certified
8SSO10603	Active	776877 David Ruhl	Certified
8SSO10603	Active	779639 David Ruhl	Certified
8SSO10603	Active	781472 David Ruhl	Certified
8SSO10603	Active	781530 David Ruhl	Certified
8SSO10603	Active	781532 David Ruhl	Certified
8SSO10603	Active	781534 David Ruhl	Certified
8SSO10603	Active	781536 David Ruhl	Certified
8SSO10603	Active	781857 David Ruhl	Certified
8SSO10603	Active	781859 David Ruhl	Certified
8SSO10603	Active	784954 David Ruhl	Certified
8SSO10603	Active	785196 David Ruhl	Certified
8SSO10603	Active	786714 David Ruhl	Certified
8SSO10603	Active	787826 David Ruhl	Certified
8SSO10603	Active	788148 David Ruhl	Certified
8SSO10603	Active	788150 David Ruhl	Certified
8SSO10603	Active	793270 David Ruhl	Certified
8SSO10603	Active	793272 David Ruhl	Certified

Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer
Principal Civil Engineer
Acting Water Manager
Principal Civil Engineer
Water resources Manager
Water Resources Manager

[illegible]

City Yard	301597
City Yard	640392
City Yard	463859
City Yard	917320
City Yard	259501
City Yard	489128
City Yard	588006
City Yard	421238
Santa Ana	804994
City Yard	997234
	7/18/2013 220371
	9/30/2013 192868

Riverside, CA	871155
Riverside, CA	122742
Riverside, CA	284726
Riverside, CA	330988
SAWPA	340899
Riverside	368785
Riverside	683110
Riverside, CA	426114
Riverside	297677
Riverside	448088
Riverside	585297
Riverside	451514
Riverside	193466
Riverside	914373
Riverside, CA	173610
Riverside, Ca	812659
Riverside, CA	935969
Riverside, CA	723635
Riverside, CA	346472
Riverside, CA	446955
Riverside, CA	792193
Riverside, CA.	376468
Riverside, CA	485892
Riverside	100814
Riverside, CA	599877
Riverside, CA	211555
Riverside	828891
Riverside, CA	225321
Riverside, CA	858594
Riverside, CA	315270
Riverside, CA	548753
Riverside, CA	245764
Riverside, CA	501265
Riverside, CA	300250
Riverside, CA.	968506
Riverside, CA	288139
Riverside, CA	180112
Riverside, CA	729734
Riverside, CA.	658563
Riverside, CA.	617425
Riverside, CA	611221
Riverside, CA	129947

4-Jan-12	1/4/2012	30-Jan-12	1/30/2012
18-Jan-12	1/18/2012	30-Jan-12	1/30/2012
24-Apr-12	4/24/2012	7-May-12	5/7/2012
2-Jul-12	7/2/2012	12-Jul-12	7/12/2012
23-Jul-12	7/2/2012	31-Jul-12	7/31/2012
30-Jul-12	7/30/2012	30-Aug-12	8/30/2012
23-Oct-12	10/23/2012	2-Nov-12	11/2/2012
19-Nov-12	11/19/2012	13-Dec-12	12/13/2012
27-Dec-12	1/2/2013	3-Jan-13	1/3/2013
21-Feb-13	2/21/2013	28-Mar-13	3/28/2013
10-Jul-13	7/17/2013	18-Jul-13	7/18/2013
16-Sep-13	9/16/2013	30-Sep-13	9/30/2013
9-Oct-13	10/10/2013		
28-Nov-07		30-Nov-07	11/30/2007
28-Apr-08		14-May-08	5/14/2008
28-Apr-08		14-May-08	5/14/2008
28-Apr-08		14-May-08	5/14/2008
5-Feb-09		26-Feb-09	2/26/2009
30-Mar-09		30-Mar-09	3/30/2009
14-May-09		15-May-09	5/18/2009
2-Jul-09		2-Dec-10	12/2/2010
22-Jul-09		10-Aug-09	8/10/2009
6-Oct-09		6-Oct-09	10/6/2009
30-Dec-09		30-Dec-09	12/30/2009
14-Jan-10		14-Jan-10	1/14/2010
14-Jan-10		14-Jan-10	1/14/2010
14-Jan-10		14-Jan-10	1/14/2010
3-Jun-10	6/3/2010	11-Jun-10	6/11/2010
6-Jan-11	1/7/2011	7-Jan-11	1/7/2011
7-Jun-11	6/9/2011	9-Jun-11	6/9/2011
7-Jun-11	6/9/2011	9-Jun-11	6/9/2011
7-Jun-11	6/9/2011	9-Jun-11	6/9/2011
7-Jun-11	6/9/2011	9-Jun-11	6/9/2011
24-Jun-11	6/24/2011	30-Jun-11	6/30/2011
16-Aug-11	8/16/2011	18-Aug-11	8/18/2011
16-Aug-11	8/16/2011	16-Aug-11	8/16/2011
20-Oct-11	10/20/2011	2-Nov-11	11/2/2011
19-Jan-12	1/19/2012	19-Jan-12	1/19/2012
6-Feb-12	2/6/2012	6-Feb-12	2/6/2012
5-Apr-12	4/5/2012	5-Apr-12	4/5/2012
18-May-12	5/18/2012	30-May-12	5/30/2012
22-May-12	5/22/2012	22-May-12	5/22/2012
22-May-12	5/22/2012	22-May-12	5/22/2012
22-May-12	5/22/2012	22-May-12	5/22/2012
22-May-12	5/22/2012	22-May-12	5/22/2012
4-Jun-12	6/4/2012	13-Jun-12	6/13/2012
4-Jun-12	6/4/2012	4-Jun-12	6/4/2012
9-Aug-12	8/9/2012	9-Aug-12	8/9/2012
16-Aug-12	8/16/2012	24-Aug-12	8/24/2012
27-Sep-12	9/27/2012	27-Sep-12	9/27/2012
2-Nov-12	11/2/2012	13-Nov-12	11/13/2012
15-Nov-12	11/15/2012	15-Nov-12	11/15/2012
15-Nov-12	11/15/2012	15-Nov-12	11/15/2012
9-Apr-13	4/9/2013	18-Apr-13	4/18/2013
9-Apr-13	4/9/2013	18-Apr-13	4/18/2013

Category 3		150	150
Category 2		1875	1250
Category 3		70	70
Category 1		3000	750
Category 1		420	160
Category 3		50	50
Category 1		1800	1700
Category 3		25	25
Category 1		155	140
Category 3		15	15
Category 1		1840	940
Category 3	135	135	135
Category 3	470	470	470
Category 3		500	0
Category 3		10	0
Category 3		15	0
Category 3		10	5
Category 3		500	400
Category 3		6	6
Category 1		975	200
Category 3		5	5
Category 3		30	30
Category 3		15	15
Category 3		5	5
Category 3		15	0
Category 3		5	0
Category 3		10	0
Category 3		700	450
Category 1		532	50
Category 3		1	0
Category 3		20	0
Category 3		20	0
Category 3		40	0
Category 3		100	100
Category 3		30	0
Category 3		200	100
Category 1		310000	113200
Category 3		2	2
Category 3		10	10
Category 3		5	0
Category 1		196913	179882
Category 3		40	40
Category 3		420	420
Category 3		900	900
Category 3		950	950
Category 1		100	50
Category 3		2	0
Category 3		64	64
Category 1		75	55
Category 3		15	15
Category 1		1247	1197
Category 3		135	135
Category 3		240	0
Category 1		9000	0
Category 1		2400	2000

0 No	No
0 No	Yes
0 No	No
2250 No	Yes
260 No	Yes
0 No	No
100 No	Yes
0 No	No
15 No	Yes
0 No	No
900 No	Yes
0 No	No
0 No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
775 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
482 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
196800 Yes	Yes
0 No	No
0 No	No
0 No	No
17031 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
50 Yes	No
0 No	No
0 No	No
20 Yes	No
0 No	No
50 Yes	No
0 No	No
0 No	No
9000 Yes	No
400 Yes	No

[illegible]

MH L05-066
 MH O05-038
 Manhole ID G03-026
 MH# K03-050
 Intersection 18th St and Wright Ave. (M.H. E12-024, 028, 029)
 2151 S. Cedar St. at intersection with Anahurst Place (MH#N11-056)
 Fairhaven Ave. and Old Grand St. (MH#C11-045)
 1202 South Birch St.
 Manhole E06-017 at intersection of Laird St. & Strawberry Ln.
 Intersection of 14th St. and Poinsettia St. (MH F10-022)
 Intersection of 15th St and King Ave. (M.H. F06-056- M.H. F06-057)
 Intersection of Lacy Street and Vance Place (MH#10-041)
 2525 N Main St.
 Leroy/Temescal Canyon
 Air-Vac Valve Near Lake Street & Temescal Canyon Road
 Air/vac Valve, Temescal Canyon Road near Indian Truck Trail
 12 Tee on Nichols Road
 WMWD SARI Truck Dump Station
 SARI Debris Bin Temporary Hose Connection Northeast Corner Colton Wastewater TP
 1745 Sampson Avenue Reach IVB MAS IVB-0730
 Buchanan and Sampson Air Vac Valve
 Air Vac IVB - 0790 Sampson Ave
 Schliesman Siphon
 Schleisman near Archibald
 AV 290 Temescal Canyon Road
 AV 260 Lake Street
 AV 310 Temescal Canyon Road
 Access Road @ SR91 East and I15S Interchange
 MAS IVB - 0850 - Arlington Channel and Pierce Street
 AV 270 Temescal Canyon Rd Near Lake St
 AV 400 Temescal Canyon Road
 AV 670 Temescal Canyon Road near Leroy
 Harrison Avenue Bypass Line
 Harrison Ave By-Pass Line Air/Vac Saddle Leak
 MAS IVB - 0470 Flow Bypass System
 Flow Meter for Mountainview Power Plant
 Temescal Canyon Road at Cabot Drive
 Reach IVB Buchanan Street
 AV 870 Temescal Canyon Road
 AV 180 Coal Avenue
 Temescal Canyon Road Between Cabot Road and Fashion Road
 Dewatering Pump Discharge Hose at MAS IVE - 0092
 MAS IVE - 0060 - RIX FACILITY
 San Bernardino Flood Control Channel MAS IVE - 0092 - Blow off valve.
 E.I. Colton service lateral.
 Arlington Channel Access Road at MAS 4B 850
 AV 160 Baker Street
 MAS IVE - 0050 - RIX Facility
 MAS IVB - 0850 - ARLINGTON CHANNEL ACCESS ROAD
 Reach V - AV - 900
 AV 370 Temescal Canyon Road
 AV 310 Temescal Canyon Road
 AV 410 Temescal Canyon Road
 MAS 4B-810 Sampson Avenue
 MAS 4B-0832 - Buchanan Avenue

33.72842	-117.9061 Orange
33.71474	-117.90613 Orange
33.75075	-117.92754 Orange
33.73096	-117.92654 Orange
33.76117	-117.84729 Orange
33.71781	-117.85871 Orange
33.7733	-117.8497 Orange
33.73246	-117.87105 Orange
33.76262	-117.89986 Orange
33.75672	-117.86203 Orange
33.75799	-117.89861 Orange
33.7533	-117.86283 Orange
33.77028	-117.86738 Orange
33.801389	117.503611 Riverside
33.727053	117.393842 Riverside
33.754006	117.454689 Riverside
33.708889	117.378611 Riverside
33.892	117.609 Riverside
34.05	-117.334167 San Bernardino
33.8794	-117.531 Riverside
33.89169	-117.499473 Riverside
33.883323	-117.518785 Riverside
33.961	-117.602 Riverside
33.960628	-117.590819 Riverside
33.727053	-117.39384 Riverside
33.43438	-117.23532 Riverside
33.732035	-117.408392 Riverside
33.879803	-117.551269 Riverside
33.894021	-117.488117 Riverside
33.727114	-117.393824 Riverside
33.750655	-117.452173 Riverside
33.80133	-117.503681 Riverside
33.883156	-117.555439 Riverside
33.883156	-117.555439 Riverside
33.882933	-117.555434 Riverside
34.072614	-117.287964 San Bernardino
33.812725	-117.505592 Riverside
33.891742	-117.499092 Riverside
33.829183	-117.515294 Riverside
33.703467	-117.370986 Riverside
33.811217	-117.504922 Riverside
34.046233	-117.352811 San Bernardino
34.045014	-117.354169 San Bernardino
34.046233	-117.352811 San Bernardino
34.042878	-117.361719 San Bernardino
33.894021	-117.488117 Riverside
33.697275	-117.355731 Riverside
34.045014	-117.354169 San Bernardino
33.89402	-117.488177 Riverside
33.836444	-117.523386 Riverside
33.745572	-117.442436 Riverside
33.73204	-117.408392 Riverside
33.754039	-117.454656 Riverside
33.8853	-117.486863 Riverside
33.891294	-117.498712 Riverside

Spill originated from MH#L05-066 , Located in front of 1406 S. Fairview St.
 Spill originated from MH# 005-038 located at 2720 W. Northwood
 Spill originated from manhole ID G03-026 in front of 702 N. Mountain View St.
 SSO originated from MH# K03-050 in front of 4319 W. Edinger Ave.
 The sewer spill occurred at the intesection of 18th St/Wright Ave. Originated from (M.H. E12-029).
 Spill originated from MH# N11-056 at intersection of Cedar St. and Anahurst Place
 Spill originated from sewer manhole at intersection of Fairhaven Ave. and Old Grand St. (MH# C11-045)
 Spill originated from Manhole infront of 1202 S. Birch St. Manhole I.D. #K09-031
 Manhole at intersection of Laird Street and Strawberry Lane
 Overflow originated from (MH F10-022) at intersection of 14th St. and Poinsettia St.
 The sewer system overflow occurred at the intersection of 15th St and King Ave (M.H. F06-056)
 Spill originated from MH# G10-041 at the intersection of Lacy St and Vance Pl.
 Spill originated from City Manhole # C10-002 located at 2525 N. Main St.
 Air release/vacuum relief valve within vault in northbound lane of Temescal Canyon Road
 Air release/vacuum relief valve located adjacent to the paved surface within the shoulder area
 Air release/vacuum relief valve located along edge of road
 12-inch tee located in rough graded Nichols Road
 WMWD SARI Truck Dump Station truck dump containment site.
 SAWPA performing SARI line cleaning at the Northeast Corner of the Colton Wastewater Treatment Plant. Brine spilt fr
 Maintenance Access Structure (Manhole) IVB - 0730 at 1745 Sampson Avenue, City of Corona.
 On the southwest corner of Sampson and Buchanan.
 Air Vacuum Valve within a Maintenance Access Structure within the paved portion of Sampson Avenue.
 Asphalt paved area adjacent to Schliesman Avenue at SAWPA Maintenance Access Structure (MAS) IVD - 0340.
 Schleisman 500 feet East of Archibald.
 Air release/vacuum relief valve located adjacent to the paved surface within the should area.
 Air release/vacuum relief valve located adjacent to the paved surface with the should area.
 Air release/vacuum relief valve located adjacent to the paved surface within the shoulder area.
 Riverside County Flood Control Access Road near the SR91 East and I15 South Interchange from Maintenance Access S
 Within the Arlington Channel access road, approximately 1000 feet East of Pierce Street at SARI Maintenance Access St
 Air release/vacuum relief valve locate adjacent to the paved surface within the shoulder area.
 Air release/vacuum relief valve located along edge of road.
 Air release/vacuum relief valve within vault in northbound lane of Temescal Canyon Road.

Leaking saddle from Air /Vac Valve on By-pass line crossing Harrison Street.
 MAS IVB -0470 is located on the Riverside County Flood Control District access road adjacent to the Temescal Channel.
 Spill occurred at the San Bernardino Water Reclamation Plant at the flow meter location for the Mountainview power plan
 Spill occurred at the intersection of Temescal Canyon Road at Cabot Road in the median on the North side of Cabot Road
 Leak from a blind flange on a new tee.
 Spill is from Air Vac 870 on Temescal Canyon Road.
 Spill is from Air Vac AV180 on Coal Road.
 Spill occurred on Temescal Canyon Road in the City of Corona between Cabot Road and Fashion Road. The 24-inch Dia
 Spill is located near SAWPA Brine Line Maintenance Access Structure (MAS) IVE -0092 located on San Bernardino Flood
 Spill is located on an access road within the Rapid Infiltration and Extraction (RIX) Facility at MAS IVE - 0060.
 Spill is located near Maintenance Access Structure (MAS) IVE -0092 located on San Bernardino Flood Control District Pro
 Spill is located on the I.E. Colton property on a service lateral near Maintenance Access Structure (MAS) IVE - 0020. SA
 Within the Arlington Channel access road, approximately 500 feet East of Pierce Street at Brine Line Maintenance Acces
 Spill is from Air Vacuum and Release Valve on Baker Street. Baker Street is an upaved roadway in Lake Elsinore.
 Spill is located on an access road with the Rapid Infiltration and Extraction (RIX) Facility at Maintenance Access Structure
 Spill is located on the Arlington Channel access road. 500 FT NE of intersection of Arlington Channel/Pierce Street.
 Spill is from Air Vacuum and Release Valve AV - 900.
 Air release/vacuum relief valve within vault in northbound shoulder of Temescal Canyon Road.
 Air release / vacuum relief vavle located along edge of paved road.
 Air release / vacuum relief valve located along edge of paved road.
 Spill is located along Sampson Avenue, approximately 1,000 feet Northeast of the intersection of Sampson Avenue and I
 Spill located on Buchanan Street, 100 feet north of Magnolia Avenue.

1
1

om hose connected to the debris bin.

Structure IVB - 0540.
Structure (MAS) IVB - 850.

Spill occurred on access road and adjacent.
d. The spill flow came from the 24" PVC

meter Brine Line is located within the n
d Control District Property adjacent to th

property adjacent to the Santa Ana River &
WPA constructed two drying beds at this
s Structure (MAS) IVB - 850.

s (MAS) IVE - 0050.

McKinley.

Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Gravity sewer;Manhole
Manhole
Manhole
Gravity Mainline
Manhole
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Manhole
Other sewer system structure
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Other sewer system structure
Other sewer system structure
Manhole
Manhole
Other (specify)
Other (specify)
Manhole
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Force main or pressure sewer
Other (specify)
Other sewer system structure
Other (specify)
Force main or pressure sewer
Other (specify)
Manhole
Other (specify)
Other (specify)
Manhole
Other sewer system structure
Manhole
Manhole
Other sewer system structure
Other sewer system structure
Other sewer system structure
Other sewer system structure
Manhole
Manhole

Air release/vacuum relief valve

Air release/vacuum relief valve

12-inch tee extended to ground surface

From Wastehauler tanker truck off loading at Dump Station Discharge Point .

Debris removed from the SARI was placed in a dewatering debris bin. The spill occurred when the hose was disconnected

Spill was from an air vacuum release valve.

Spill was fully contained within the Maintenance Access Structure. Spill did not discharge from the Maintenance Access :

Spill was from equipment while cleaning MAS IVD - 0340.

Spill was from a Vactor Truck used for removing solids from the brine line.

Air release/vacuum relief valve.

Air release/vacuum relief valve.

Air release/Vacuum relief valve.

Air release/vacuum relief valve

Air release/vacuum relief valve.

Air Vac Valve

Leaking saddle from air/vac valve on by-pass line.

Spill occurred from flow by-pass system discharging to MAS IVB - 0470

Flow Meter for the Mountainview Power Plant

24" PVC pipe is buried about 15 feet to top of pipe.

Leak from a blind flange on a new tee installed on 16-inch brine line. Tee was installed on Brine Line to allow access to the

Spill is from an Air Vacuum and Air Release valve.

Spill is from an Air Vacuum and Air Release Valve.

24" diameter PVC pipe is buried about 9 feet to top of pipe.

Spill is from a discharge hose connected to a dewatering pump. The pump was connected to a blow-off valve at MAS IVI

Spill is from a blow-off valve at MAS IVE - 0092.

Spill is from a valved 4 - inch tee on E.I Colton's Brine Line service lateral.

Spill is from Air Vacuum and Air Release Valve on Baker Street.

Air Vacuum and Release Valve AV - 900.

Spill is from an Air Vacuum and Air Release Valve within a vault.

Spill is from an Air Vacuum and Air Release Valve.

Spill is from air release / vacuum relief valve.

Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Separate storm drain
Street/curb and gutter
Separate storm drain;Other (specify below)
Paved Surface;Street/Curb and Gutter
Other (specify below);Paved Surface;Street/Curb and Gutter
Unpaved surface
Other paved surface
Unpaved surface
Unpaved surface
Unpaved surface;Other (specify below)
Unpaved surface
Storm drain;Street/curb and gutter;Surface water
Unpaved surface;Other (specify below)
Other (specify below)
Other paved surface
Street/curb and gutter
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Unpaved surface
Other (specify below)
Other paved surface
Other paved surface
Other paved surface
Other paved surface
Separate storm drain;Street/curb and gutter
Other paved surface;Unpaved surface
Unpaved surface
Surface water
Unpaved surface
Other paved surface
Other (specify below)
Separate storm drain;Street/curb and gutter;Surface water;Unpaved surface
Unpaved surface;Other (specify below)
Unpaved surface;Other (specify below)
Unpaved surface;Other (specify below)
Unpaved surface;Other (specify below)
Surface water;Unpaved surface
Other paved surface
Unpaved surface
Surface water;Unpaved surface;Other (specify below)
Unpaved surface
Surface water;Unpaved surface;Other (specify below)
Unpaved surface
Other paved surface
Surface water;Unpaved surface;Other (specify below)
Other paved surface;Surface water;Other (specify below)

Spill entered the storm drain catch-basin located at Edinger & Newhope (600 feet W of MH # K03-050). Said Catch-basin
Spill entered the storm drain catch-basin located at 1401 E. 18th St (20 feet W of MH # E12-028). Said Catch-basin is cc

Spill entered the storm drain catch basin located at 2722 E. Fairhaven Ave. (250 ft. west of MH#C11-045). Said catch ba:

Spill entered the storm drain catch basin located at the N/E corner of King Ave and Washington Ave. This catch basin cc

All sewage water from the spill entering the storm drain system was recovered (vacuumed) at the stormdrain catch-basin

Rough graded street (Nichols Road)

From containment structure back in to sewer lateral and in adjacent RV dump manhole.

Brine spilled into adjacent valve box

Spill fully constained within the Maintenance Access Structure.

Spill was onto paved service. The spill was contained and fully recovered.

Spill destination is within the concrete lined portion of the Arlington Channel.

Spill entered the storm drain approximatly 300 feet north of the spill location and traveled approximately 3,000 feet throu

Spill occured on concrete pad supporting air vac valve and unpaved surface adjacent to concrete pad.

Total spill volume is approximately 196,913 gallons. A portion of the spill entered the storm drain and spilled onto private

Spill was onto unpaved surface and fully contained.

Spill was onto unpaved surface and fully contained

Spill was onto unpaved surface and fully contained.

Spill was onto unpaved surface and fully contained.

Spill destination is the unpaved surface around MAS 4B 850 and within the concrete lined portion of the Arlington Channe

Spill occured on concrete pad supporting air vac valve and unpaved surface adjacent to concrete pad.

Spill was onto unpaved surface and fully contained.

Spill was onto unpaved surface and within the concrete lined portion of the flood control channel.

Spill occurred on unpaved access road and parking lot adjacent to Corona Lake. Majority of the Brine ended up in the sa

Spill was onto street, then down a storm drain catch basin and ultimately into the Arlington Channel.

Spill was onto sidewalk, then partly on street and then into storm drain into concrete lined La Sierra Channel.

1/3/2012 14:50	1/3/2012 14:50	1/3/2012 15:05	1/3/2012 15:20
1/14/2012 12:45	1/14/2012 12:45	1/14/2012 13:10	1/14/2012 14:00
4/21/2012 20:00	4/21/2012 20:00	4/21/2012 20:10	4/21/2012 21:10
6/30/2012 8:15	6/30/2012 8:15	6/30/2012 8:45	6/30/2012 9:30
7/22/2012 12:23	7/22/2012 12:23	7/22/2012 12:49	7/22/2012 13:05
7/26/2012 9:45	7/26/2012 9:45	7/26/2012 10:15	7/26/2012 10:20
10/21/2012 15:15	10/21/2012 15:15	10/21/2012 15:40	10/21/2012 16:45
11/19/2012 7:10	11/19/2012 7:10	11/19/2012 7:30	11/19/2012 7:35
12/21/2012 10:30	12/21/2012 10:30	12/21/2012 10:35	12/21/2012 10:55
2/15/2013 12:06	2/15/2013 12:06	2/15/2013 12:12	2/15/2013 12:20
7/5/2013 16:50	7/5/2013 17:00	7/5/2013 17:35	7/5/2013 18:22
9/3/2013 8:45	9/3/2013 8:45	9/3/2013 9:15	9/3/2013 9:30
10/5/2013 19:05	10/5/2013 19:15	10/5/2013 19:42	10/5/2013 20:45
11/27/2007 9:30	11/27/2007 9:35	11/27/2007 9:35	11/27/2007 9:50
4/1/2008 10:30	4/1/2008 11:00	4/1/2008 11:00	4/1/2008 10:31
4/1/2008 10:45	4/1/2008 11:30	4/1/2008 11:30	4/1/2008 10:46
4/1/2008 11:30	4/1/2008 11:30	4/1/2008 11:30	4/1/2008 11:30
1/29/2009 11:25	1/29/2009 11:25	1/29/2009 11:27	1/29/2009 11:30
2/25/2009 9:00	2/25/2009 14:00	2/25/2009 9:00	2/25/2009 9:01
5/13/2009 11:50	5/13/2009 11:50	5/13/2009 12:12	5/13/2009 12:55
6/19/2009 7:00	6/19/2009 8:00	6/19/2009 8:00	6/19/2009 8:15
7/1/2009 7:30	7/1/2009 13:00	7/1/2009 13:00	7/1/2009 15:30
9/9/2009 9:25	9/9/2009 9:25	9/9/2009 9:25	9/9/2009 9:26
12/3/2009 12:30	12/3/2009 12:30	12/3/2009 12:30	12/3/2009 12:30
12/29/2009 7:51	12/29/2009 7:51	12/29/2009 7:51	12/29/2009 8:00
12/29/2009 7:38	12/29/2009 7:38	12/29/2009 7:38	12/29/2009 7:45
12/29/2009 8:02	12/29/2009 8:02	12/29/2009 8:02	12/29/2009 8:05
5/27/2010 10:30	5/27/2010 10:30	5/27/2010 10:40	5/27/2010 10:55
1/6/2011 13:48	1/6/2011 14:00	1/6/2011 13:48	1/6/2011 14:14
5/24/2011 12:30	5/24/2011 12:30	5/24/2011 14:05	5/24/2011 15:56
5/24/2011 12:30	5/24/2011 12:30	5/24/2011 12:30	5/24/2011 12:35
5/24/2011 13:20	5/24/2011 13:20	5/24/2011 13:55	5/24/2011 13:50
5/27/2011 7:45	5/27/2011 7:45	5/27/2011 7:45	5/27/2011 7:50
6/12/2011 13:52	6/12/2011 13:52	6/12/2011 13:53	6/12/2011 14:10
8/15/2011 12:28	8/15/2011 12:28	8/15/2011 12:28	8/15/2011 12:29
8/10/2011 10:10	8/10/2011 10:10	8/10/2011 10:10	8/10/2011 10:15
10/18/2011 8:30	10/18/2011 10:35	10/18/2011 10:35	10/18/2011 18:00
12/20/2011 12:00	12/20/2011 12:00	12/20/2011 12:06	12/20/2011 12:20
1/20/2012 4:30	1/20/2012 5:30	1/20/2012 5:30	1/20/2012 5:30
3/27/2012 12:00	3/27/2012 12:00	3/27/2012 12:00	3/27/2012 13:00
5/15/2012 11:22	5/15/2012 11:22	5/15/2012 11:22	5/15/2012 22:55
4/16/2012 23:00	4/16/2012 23:00	4/16/2012 23:00	4/16/2012 23:00
4/24/2012 11:00	4/24/2012 11:30	4/24/2012 11:45	4/24/2012 18:00
4/25/2012 6:30	4/25/2012 6:30	4/25/2012 7:20	4/25/2012 7:21
4/25/2012 6:30	4/25/2012 6:30	4/25/2012 7:15	4/25/2012 7:16
6/1/2012 11:55	6/1/2012 11:55	6/1/2012 11:55	6/1/2012 12:10
5/14/2012 6:00	5/14/2012 9:10	5/14/2012 9:10	5/14/2012 9:10
7/26/2012 7:10	7/26/2012 7:10	7/26/2012 7:30	7/26/2012 9:18
8/13/2012 10:48	8/13/2012 11:42	8/13/2012 10:53	8/13/2012 11:00
8/21/2012 13:35	8/21/2012 13:35	8/21/2012 13:35	8/21/2012 13:36
10/31/2012 22:10	11/1/2012 5:54	11/1/2012 5:54	10/31/2012 22:10
10/31/2012 13:49	10/31/2012 14:16	10/31/2012 14:16	10/31/2012 14:16
10/31/2012 11:32	10/31/2012 12:20	10/31/2012 12:20	10/31/2012 12:20
4/6/2013 6:30	4/6/2013 7:30	4/6/2013 8:30	4/6/2013 8:00
4/5/2013 14:40	4/5/2013 15:35	4/5/2013 14:40	4/5/2013 15:40

Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Root intrusion
Debri-Rags
Debri-General
Vandalism
Vandalism
Debri-General
Root Intrusion
Grease Deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Operator error
Operator error
Other (specify below)
Other (specify below)
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Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Operator error
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
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Other (specify below)
Other (specify below)

The cause for this SSO was attributed to debris (general) introduced into the sewer manhole.

Evidence of plastic debris and a piece of asphalt approximately (5)- inches diameter were identified as causes of the sew

Air release/vacuum relief valve failure

Air/vac valve briefly spit brine upon increase in flow rate through pipe.

Air/vac valve briefly spit brine upon increase in flow through pipe.

Threaded cap mounted to blind flange on tee removed to obtain water quality sample. Line was nearly surcharged resultin

Automatic valve closure reason unknown, and slow truck operator response.

An obstruction occurred when a hard hat became lodged within the pipeline possibly due to scaling within the pipeline. Th
Air Vacuum valve stuck open.

Air Vacuum valve stuck open.

Spill was caused by equipment failure while cleaning MAS IVD - 0340.

Spill was caused by a mechanical check valve that did not seal due to the vector truck debris tank being full.

Air/Vac briefly spit brine upon increase flow rate through pipe.

Air/vac valve briefly spit upon increase in flow rate through pipe.

Air/Vac briefly spit brine upon increase flow rate through pipe.

Spill was caused by reduced capacity in the line due to scale build-up in the invert of the pipe and an increase in discharg

Flow restriction in pipeline due to scale build-up within the pipe.

Air/Vac valve briefly spit brine upon increase in flow rate through pipe.

Air/vac valve briefly spit brine upon increase in flow rate through pipe.

Air/vac valve briefly spit brine upon increase in flow rate through pipe.

Air / Vac valved failed to close.

Leaking saddle for Air/Vac Valve.

The SSO was caused because the bypass system was activated and the MAS lid at the receiving MAS was not removed.

The operator replacing the 8-inch magnetic meter for mountainview power plant did not fully drain the line prior to replaci

Initial investigation is a failure at the pipe joint due to a gasket displacement. A forensic engineer will examine the pipe.

Defective gasket between blind flange and tee.

Air Vacuum and Air Release valve failed to seal during restart of Brine Line.

Air Vacuum and Air Release valve failed to seal.

SAWPA Contractor hit the line while excavating a 6 foot wide by 9 foot long Test Pit . The purpose of the test pit is to de

During set-up and start-up of a dewatering pump at MAS - 4E-0092, a discharge hose fitting failed and brine was discharg

A gasket at MAS IVE - 60was damaged and did not provide a water-tight seal.

Operator failed to close blow-off valve upon completion of line cleaning activity and returning the brine line back to servic

Operator failed to close blow-off valve upon completion of line cleaning activitie and returning the brine line back to serv

Flow restriction in pipeline due to scale build-up within the pipe.

Air Vacuum and Air Release valve failed to seal.

Manhole concrete riser piece was damaged at MAS IVE - 50 and did not provide a water-tight seal.

Increased discharge exceeded hydraulic capacity of pipeline.

During maintenance of the Air Vacuum and Air Release valve the shut-off valve was not completed closed. As the valve

Air Vacuum and Air Release valve spilled prior to sealing.

Air Vacuum and Air Release Valve failed to seal.

Air vacuum and air relief valve failed to seal.

Obstruction in pipe.

Valve left open after a blind flange was put in place, this caused an SSO after the upstream discharger began discharging

Main
Main
Other (specify below)
Main
Main
Main
Main
Main
Other (specify below)
Main
Main
Gravity Mainline
Gravity Mainline

ing in brine emitting from pipe. Cap quickly repla

Other (specify below)
Main
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)

Main
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Other (specify below)
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Main
Other (specify below)
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Other (specify below)
Other (specify below)
Other (specify below)
Main
Other (specify below)

Upon visual inspection it was determined that debris and FOG was accumulating at the manhole due to a deteriorated ba:

The failure occurred at sewer manhole E06-017

ced.

Debris removed from the SARI was placed in a dewatering debris bin. The spill occurred when the drainage hose was dis

Spill occurred on main line from an Air Vacuum Valve.

Spill occurred from an Air Vacuum Valve.

Equipment failure only. No failure of brine line.

Failure occurred from equipment (vactor truck) used to remove solids from the brine line.

Air/Vac Valve

Air/vac Valve.

Air/Vac Valve.

Air / Vac Valve.

Spill occurred from leaking saddle for air/vac valve.

Flow by-pass system discharge point.

Flow meter for the Mountainview power plant.

failure occurred at the pipe joint.

Spill occurred at Air Vacuum and Air Release Valve.

Spill occurred at Air Vacuum and Air Release Valve.

Discharge Hose fitting on dewatering pump.

Damaged gasket at manhole.

Operator failed to close valve at blow-off.

Operator failed to close valve at blow-off.

Spill occurred at Air Vacuum and Air Release Valve.

At manhole concrete riser piece.

At mahole concrete riser piece.

Air Vacuum and Release Valve AV - 900

Spill occurred at Air Vacuum and Air Release Valve.

Spill occurred at Air Vacuum and Air Release Valve.

Spill occurred at air vacuum and air relief valve.

At valve in sealed Manhole.

		8 VCP
		8 VCP
se.		8 VCP
		12 VCP
		10 VCP
		6 VCP
		8 VCP
		6 VCP
		8 VCP
		6 VCP
No		8 VCP
No		6 VCP
		6 VCP

isconnected from the debris b		16 PVC
-------------------------------	--	--------

		18 PVC
		16 PVC

		24 PVC
--	--	--------

		24 PVC
--	--	--------

		16 PVC
--	--	--------

		16
--	--	----

		16 PVC
--	--	--------

47
35
54
53
52
61
50
84
35
57
51
1116
492

13
8

13
14

10

11

15

17
16

16

Repair of manhole to allow for improved flow transition is planned to mitigate potential of SSO in the future.
Defect in portion of pipe discovered. Pipe is being scheduled for repair. Smart Cover sewer flow level monitor placed at staff flushed and vacuuumed affected separate storm drainpipe.
The spill estimated volume was revised due to the fact that it was not a continuos flow. This segment of pipe has been a

This segement of pipe was videod (CCTV) to determine the cause of the overflow. It was determined from the video, van
The staff contained and cleaned the affected area. The area has been inspected using CCTV, and cleaned to determine :

Analytical reports once received will be forwarded to the Regional Board.
All of the wet soil was shoveled back into the debris container.
Sand bags were placed at the entrance of the storm drain to prevent additional brine from entering the storm drain. Sto
Spil was contained in a valve box adjacent to the Air Vacuum Valve. The brine was recovered and returned to the pipelir
Spill was fully contained within the Maintenance Access Structure. The brine from the spill was returned back to the syste

The material was contained and completely recovered. The area was washed down, disinfected and the wash water was
Removed and disposed of wet soil around air vac valve.
Removed and disposed of wet soil around air vac valve.
Removed and disposed of wet soil around air vac valve.
Standing brine on the soil was collected with a vactor truck and returned to the brine line. Wetted soil was removed and c

A containment pig was placed in the flow line of the curb to contain the spill. By-pass system was shutdown. The saddle

Initial spill response activities on October 18th include 6 vacuum tanker trucks and 4 vactor trucks to the site to recover b

Upstream dischargers were immediately notified to shutdown. Upon verification of shutdown the nearest upstream mainl
Immediately shut off pump. Removed saturated soil and disposed of at an approved disposal facility.
Installed new gasket and cover and MAS Location. Removed saturated soil and disposed of at an approved disposal faci
Closed valve. Removed saturated soil and disposed of at an approved disposal facility.
Closed valve. Removed saturated soil and disposed of at an approved disposal facility.

Installed new watertight concrete ring, frame, cover and gasket at MAS 50. Removed saturated soil and disposed of at a
Reduced discharge rate. Removed saturated soil and disposed of at an approved disposal facility.
Removed and disposed of wet soil around air vac valve.
Remove saturated soil from spill area and replace with clean soil .
Closed Air Vacuum Valve. Removed and disposed of wetted soil around air vac valve.
Closed air vac valve. Spill occured on paved portion of Temescal Canyon Road and shoulder of road and evaporated. V
SSO had stopped prior to operator arriving. Washed down street and recover washdown water. Mobilized CCTV truck a
Upstream discharger was told to stop discharging immediately. Catch basin was blocked using a rubber mat to minimize

1/14/2012 16:00

6/30/2012 22:30

7/22/2012 13:05

10/21/2012 16:45

12/21/2012 10:55

7/5/2013 20:30

5/13/2009 17:30

1/6/2011 17:45

11/10/2011 0:00

5/17/2012 15:00

6/1/2012 17:00

8/13/2012 11:00

11/1/2012 17:00

4/7/2013 19:00

4/5/2013 16:30

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Plan rehabilitatic
Adjusted schedule/method of preventive maintenance;Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)

Other (specify below)

Repaired sewer;Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Distribution FOG discharge education materials to all customers upstream of SSO is planned.

This segment of pipe has been added to the root control program (root foam)

Plan for installation of locking manhole covers to prevent future vandalism

All debris found inside the sewer main has been removed. The sewer flow has been re-established to full operational status

Cleaning of the brine line in the area of the obstruction as well as four siphons downstream of the obstruction was conducted

The discharger responsible for scale build-up in the line is required to submit a corrective plan to reduce scale build-up within 30 days

Investigation is still pending. A biological resources damage assessment will be prepared to assess any potential damage to biological resources in the area

A biological resources damage assessment will be prepared to assess any potential damage to biological resources in the area

Line cleaning and CCTV is being implemented to remove scale from inside the pipe. The Arlington Desalter which is the source of the scale

Limit discharge volume from discharger upstream of SSO location. The operator of the discharge facility has implemented a

Air Vac / Air Release valve was removed and will be examined to determine if there is excessive wear or debris in the mechanism

CCTV and line cleaning is scheduled.

A cap will be installed at the valve location.

No

No
Yes

No

No

No

No

Yes

Yes

No

No

No

No

Yes
No

Evidence of sewer spill was not able to be determined from visual inspection of Greenville Banning Channel (D08).

Evidence of sewer spill was not able to be determined from visual inspection of C06 Channel.
No visible evidence of sewage reaching the West Tustin Channel.

No visible evidence of sewage reaching the Santiago Creek Channel

No visible evidence of sewage reaching the Santa Ana River Channel
No visible evidence of sewage reaching storm drain catch basin.

As part of the visual inspection and in an effort to mitigate the the SSO effects on the receiving waters. The City conducts

Existing flow within the drainage channel. No visual differentiation between the point upstream and downstream of the point

Impacted receiving water is flowing at estimated 3 cubic feet per second. Approximately 482 gallons is estimated to spill

On October 18th a cloudy grayish plume of water was visually inspected exiting the storm drain and draining towards Ten

Brine was visually inspected exiting the storm drain and draining towards Temescal Wash.

There was a significant base flow in the Arlington Channel with which the brine blended. Impacted receiving water is flow

Flow entered Arlington Channel. Brine Flow blended with significant existing flow within Arlington Channel. No visual impact

The 50 gallons of brine that was estimated to enter Corona Lake was quickly diluted with the large volume of water within

Street flow had evaporated. There were signs of brine discharge over Arlington Channel. There was significant flow in the
Brine entered La Sierra Channel. Brine mixed with existing flow in the La Sierra Channel. No visual signs of impacts to the

No

No
No

No

No

No

No

No

No

No

No

No

No

No
No

No beaches were impacted from sewer system overflow.

na

None

N/A

Greenville Banning Channel (Channel D08)
N/A, did not reach storm drain system
C06 Channel, aka, Ocean View Channel
South West Tustin Channel

The Santiago Creek Channel

Santa Ana River
No surface waters were impacted from this sewer sytem overflow.
The impacted surface waters occurred at the Santa Ana River. No apparent evidence of SSO water was found at this site

Arlington Flood Control Channel

Arlington Channel

N/A

Temescal Wash and Hahn Lake.

Temescal Wash

Arlington Channel

Arlington Channel

Corona Lake. Corona Lake is part of Temescal Wash.

Arlington Channel
La Sierra Channel

No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Other chemical indicator(s) - specify below;Other (specify below)

Other (specify below)

Other chemical indicator(s) - specify below

Other (specify below)

Other (specify below)

Other (specify below)

Other chemical indicator(s) - specify below

Other (specify below)
Other (specify below)

Conductivity was measured upstream and downstream of the point the spill entered the drainage channel. Samples were

A water quality sample of the standing brine and the wetted soil before and after clean-up were taken and sampled for TC

Total dissolved solids (TDS). Liquid from the brine line is highly concentrated brine in the range of 5,000 - 7,000 TDS. T

Total dissolved solids (TDS). Liquid from the brine line is concentrated brine in the range of 5,000 - 7,000 TDS. TDS car

Water quality samples were taken and analyzed in the field for TDS. Samples were taken from MAS 4B 850, at the poin

Water quality samples were taken and analyzed in the field for TDS. Additional samples were taken and sent to the labor

Total dissolved solids (TDS). Liquid from the brine line is highly concentrated brine in the range of 5,000 - 7,000 TDS. T

TSS, TDS, metals, BOD, Oil and Grease.

TSS, TDS, metals, BOD, Oil and Grease.

No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Regional Water Quality Control Board

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

None of the above

Water quality samples will be submitted to the RWQCB once recieved.

Water quality sample results were sent to the lab and results are not available. Results will be sent to the RWQCB upon

TDS Samples results will be reported to the RWQCB.

TDS Samples results will be reported to the RWQCB.

CWEA- Collection System Collaborative Benchmarking Group Best practices for Sanitary Sewer Prevention and Overflow Estimation used was from The Collection System Collaborative Bench Marking Group Table C . This table refers to the p

receipt.

12058	1/14/2012 15:00
122385	4/21/2012 22:30
123823	6/30/2012 14:37
124259	7/22/2012 14:15
124375	7/26/2012 11:40
126338	10/21/2012 17:30

127789	12/21/2012 11:20
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134157	7/5/2013 19:10
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77317	11/27/2007 11:35
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93642	5/13/2009 13:54
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103268	5/27/2010 11:56
110095	1/6/2011 14:24

116221	10/18/2011 11:55
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122892	5/15/2012 12:20
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123225	6/1/2012 12:46
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124763	8/13/2012 12:55
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126589	11/1/2012 7:46
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132059	4/6/2013 9:28
132051	4/5/2013 15:35

Alex Reyes, Water Supervisor
Alex Reyes Water Services Supervisor (Sewer Dept)

7146473344
7146473344

8SSO10603	Active	798927 David Ruhl	Certified
8SSO10604	Active	654808 Jeff Watson	Certified
8SSO10604	Active	655723 Jeff Watson	Certified
8SSO10604	Active	656985 Jeff Watson	Certified
8SSO10604	Active	718983 Jeff Watson	Certified
8SSO10604	Active	746966 Jeff Watson	Certified
8SSO10604	Active	752167 Jeff Watson	Certified
8SSO10604	Active	785568 Jeff Watson	Certified
8SSO10604	Active	789206 Luis Estevez	Certified
8SSO10604	Active	797989 Luis Estevez	Certified
8SSO10605	Active	648926 Cameron McCullough	Certified
8SSO10605	Active	650558 Robert Doss	Certified
8SSO10605	Active	733246 Cameron McCullough	Certified
8SSO10605	Active	733306 Sean Crumby	Certified
8SSO10605	Active	747497 Cameron McCullough	Certified
8SSO10605	Active	750173 Cameron McCullough	Certified
8SSO10605	Active	751395 Cameron McCullough	Certified
8SSO10605	Active	758905 Cameron McCullough	Certified
8SSO10605	Active	784477 Quang Le	Certified
8SSO10608	Active	647137 Joseph Hanford	Certified
8SSO10608	Active	797497 Steven C. Schindler	Certified
8SSO10611	Active	771665 Doyle Jenkins	Certified
8SSO10613	Active	655383 Robert O Barnard	Certified
8SSO10613	Active	788019 William Graham	Certified
8SSO10614	Active	728575 Stephen	Certified
8SSO10617	Active	645276 Al Javier	Certified
8SSO10617	Active	646277 Al Javier	Certified
8SSO10617	Active	647146 Al Javier	Certified
8SSO10617	Active	704974 Al Javier	Certified
8SSO10617	Active	714082 Jayne Joy	Certified
8SSO10617	Active	724770 Al Javier	Certified
8SSO10617	Active	736195 Al Javier	Certified
8SSO10617	Active	737585 Al Javier	Certified
8SSO10617	Active	737656 Jayne Joy	Certified
8SSO10617	Active	741808 Al Javier	Certified
8SSO10617	Active	748169 Jayne Joy	Certified
8SSO10617	Active	748927 Jayne Joy	Certified
8SSO10617	Active	750551 Jayne Joy	Certified
8SSO10617	Active	755627 Jayne Joy	Certified
8SSO10617	Active	758918 Jayne Joy	Certified
8SSO10617	Active	759177 Jayne Joy	Certified
8SSO10617	Active	765679 Jayne Joy	Certified
8SSO10617	Active	769997 Jayne Joy	Certified
8SSO10617	Active	770656 Jayne Joy	Certified
8SSO10617	Active	771810 Jayne Joy	Certified
8SSO10617	Active	774000 Jayne Joy	Certified
8SSO10617	Active	776558 Jayne Joy	Certified
8SSO10617	Active	778051 Jayne Joy	Certified
8SSO10617	Active	784085 Jayne Joy	Certified
8SSO10617	Active	788900 Jayne Joy	Certified
8SSO10617	Active	789931 Jayne Joy	Certified
8SSO10617	Active	790552 Jayne Joy	Certified
8SSO10617	Active	792966 Jayne Joy	Certified
8SSO10617	Active	797484 Alfred Javier	Certified
8SSO10618	Historical	649162 Andy M. Pierson	Certified

[illegible]

Riverside, CA		825559
City of Seal Beach		295875
Seal Beach Ca.		794505
Seal Beach, Ca.		642719
City of Seal Beach		455072
Seal Beach, Ca.		729235
Seal Beach		765861
Seal Beach, Ca.		409059
Seal Beach		152504
Seal Beach		669414
	2:50 PM	355837
Stanton		597041
	2:45 PM	577104
City of Stanton		260892
	2:00 PM	876296
8:07 a.m.		580404
	10:18	914419
	9:35 AM	587153
City of Stanton		840084
1115 hours 2/21/07		753762
1:32 p.m.		776665
Glen Helen Rehabilitation Center		334164
	16.08	409463
	948	108961
12402 Industrial		974741
EMWD OMC		722973
EMWD OMC		916551
EMWD OMC		153718
EMWD OMC		518663
Perris, CA		363579
EMWD OMC		114620
EMWD OMC		847574
EMWD OMC		574339
Perris, CA		792165
EMWD OMC Perris		342561
Perris, CA		487883
Perris, CA		372403
Perris, CA		272801
Perris, CA		195771
Perris, CA		968780
Perris, CA		572912
Perris, CA		453918
Perris, CA		657916
Perris, CA		730482
Perris, CA		852524
Perris, CA		117108
Perris, CA		182823
Perris, CA		660670
Perris, CA		997845
Perris, CA		143030
Perris, California		721289
Perris, California 92572		734664
Perris, CA 92572		695310
EMWD Perris CA		968318
	10:21 AM	844096

20-Sep-13	9/20/2013	30-Sep-13	9/30/2013
26-Jul-07		15-Aug-07	8/15/2007
13-Aug-07		16-Aug-07	8/16/2007
7-Sep-07		20-Sep-07	9/20/2007
5-Jun-08		5-Jun-08	6/5/2008
23-Nov-09		5-Jan-10	1/5/2010
4-May-10		4-May-10	5/4/2010
27-Aug-12	8/27/2012	28-Aug-12	8/28/2012
20-Dec-12	12/20/2012	20-Dec-12	12/20/2012
19-Aug-13	8/19/2013	3-Oct-13	10/3/2013
4-Apr-07		5-Apr-07	12/3/2010
16-May-07		16-May-07	5/16/2007
9-Feb-09		9-Feb-09	12/3/2010
10-Feb-09		10-Feb-09	2/10/2009
14-Dec-09		23-Dec-09	12/23/2009
5-Mar-10		10-Mar-10	3/10/2010
7-Apr-10		9-Apr-10	4/9/2010
29-Nov-10	11/29/2010	29-Nov-10	11/29/2010
1-Aug-12	8/1/2012	2-Aug-12	8/2/2012
20-Feb-07		21-Feb-07	2/21/2007
2-Aug-13	8/2/2013	2-Aug-13	8/2/2013
3-Oct-11	10/6/2011	6-Oct-11	10/14/2011
7-Aug-07		7-Aug-07	2/14/2011
13-Nov-12	11/16/2012	21-Nov-12	11/21/2012
27-Oct-08		22-Oct-10	3/7/2011
9-Jan-07		22-Jan-07	12/27/2010
26-Jan-07		6-Feb-07	12/27/2010
20-Feb-07		21-Feb-07	12/27/2010
10-Oct-07		10-Oct-07	12/27/2010
27-Feb-08		29-Feb-08	2/29/2008
17-Aug-08		20-Aug-08	12/27/2010
10-Apr-09		13-Apr-09	12/27/2010
19-May-09		21-May-09	12/27/2010
19-May-09		21-May-09	5/21/2009
24-Jul-09		30-Jul-09	1/31/2011
6-Jan-10		8-Jan-10	1/8/2010
29-Jan-10		25-Feb-10	2/25/2010
15-Mar-10		30-Mar-10	3/30/2010
29-Jul-10	7/29/2010	9-Aug-10	8/9/2010
29-Nov-10	11/29/2010	13-Dec-10	12/13/2010
7-Dec-10	12/7/2010	13-Dec-10	12/13/2010
21-Apr-11	4/21/2011	2-May-11	5/2/2011
18-Aug-11	8/18/2011	30-Aug-11	8/30/2011
1-Sep-11	9/1/2011	7-Sep-11	9/7/2011
6-Oct-11	10/6/2011	19-Oct-11	10/19/2011
13-Dec-11	12/13/2011	19-Dec-11	12/19/2011
30-Jan-12	1/30/2012	30-Jan-12	1/30/2012
27-Feb-12	2/27/2012	12-Mar-12	3/12/2012
25-Jul-12	7/26/2012	3-Aug-12	8/3/2012
10-Dec-12	12/10/2012	12-Dec-12	12/12/2012
8-Jan-13	1/8/2013	18-Jan-13	1/18/2013
18-Jan-13	1/18/2013	1-Feb-13	2/1/2013
27-Mar-13	3/27/2013	3-Apr-13	4/3/2013
1-Aug-13	8/2/2013	15-Aug-13	8/15/2013
10-Apr-07		12-Apr-07	4/12/2007

Category 1	5	15	5
Category 3		30	30
Category 3		392	392
Category 3		800	640
Category 3		50	0
Category 3		280	250
Category 3		120	120
Category 3		60	60
Category 3		100	100
Category 3		10	0
Category 1		160	50
Category 1		70	55
Category 1		100	20
Category 3		100	100
Category 3		100	25
Category 1		15000	15000
Category 3		20	20
Category 3		500	500
Category 1		1520	1515
Category 1		11250	0
Category 2		8400	5200
Category 3		450	450
Category 3		150	150
Category 1		99	75
Category 3		900	800
Category 1		69	0
Category 1		15	0
Category 1		420	0
Category 1		300	0
Category 2		9000	9000
Category 1		450	0
Category 1		3990	1500
Category 1		270	80
Category 3		366	0
Category 1		7000	2000
Category 3		10	10
Category 3		10	0
Category 3		100	0
Category 3		200	100
Category 3		700	500
Category 3		50	0
Category 2		1042123	848500
Category 1		6500	6500
Category 3		54	0
Category 1		2000	1000
Category 1		13700	12500
Category 3		20	15
Category 2		2000	2000
Category 3		150	150
Category 3		5	5
Category 1		3400	500
Category 2		71775	200
Category 3		100	50
Category 1		157430	157430
Category 1		970	0

10 Yes	No
0 No	No
0 No	No
No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
110 No	Yes
15 Yes	Yes
80 No	Yes
0 No	No
0 No	Yes
15000 Yes	Yes
0 No	No
0 No	No
5 No	Yes
11250 Yes	Yes
0 No	No
0 No	No
0 No	Yes
24 Yes	Yes
0 No	No
69 Yes	Yes
15 No	Yes
420 No	Yes
300 No	Yes
0 No	No
450 No	Yes
2490 No	Yes
190 No	Yes
0 No	No
5000 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
6500 Yes	Yes
0 No	No
500 Yes	Yes
13700 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
3400 Yes	Yes
0 No	No
0 No	No
157430 Yes	Yes
970 Yes	Yes

Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No
No
Not Applicable - Spill did not reach storm drainpipe
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Yes
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
No

AV 4B - 0831
Sewer Station 35
Sewer Pump Station 35
Sewer Station 35
16th Street and Electric Alley
Bolsa Avenue and Island View Drive
3000 Beverly Manor Road
Alley behind 330 main Street
Electric Avenue and Ocean Avenue Sewer Spill
River's End Cafe
Lowden - Middlesex
6891 Via Kannela
Cerritos Ave at Lowden St - Stanton Manhole Number B023
10542 Knott Avenue, Stanton, CA 90680
Cerritos Ave/Knott Ave
Continental Gardens Apartments
Manhole at Cerritos Ave and Lowden St
10698 Bell St
Cerritos Avenue and Oakhaven Drive
Big Bear Shores RV Resort and Yacht Club
Fawnskin, CA.
Glen Helen Rehabilitation Center
Horsethief Canyon Developement / Corona CA
Horse Thief Lift Station
Lytle Creek
24512 Filaree Ave., Moreno Valley
13874 Rockcrest Dr., Moreno Valley
Century St., Moreno Valley
Winding Rd., Moreno Valley
Sanderson & Menlo, Hemet
13874 Rockcrest Dr., Moreno Valley
Ironwood Ave & Tabor Dr, Moreno Valley
12860 Pan Am, Moreno Valley
33825 Hwy 74 Hemet
23650 Hemlock Ave., Moreno Valley
23400 Hemlock Ave, Moreno Valley
Calvert and Hwy 74 (Florida), Green Acres
33825 Hwy 74 Green Acres
33437 Catlin Ave
Clark Street Lift Station
Railroad Canyon (Brine Line)
Sanderson Force Main
12926 Indian Street
Keller & Meniffee Road
Meniffee/Perris Desalter
Davis & Groven - Moreno Valley
Clinton Avenue, Homeland
Winchester Lift Station
Green Acres Lift Station
Pinehurst Rd & Piping Rock Rd.
Park Rim Circle
Tacoma Ave
Winchester Lift
Adeline Ave. & Eucalyptus Ave., Moreno Valley
30406 Point Marina, Canyon Lake

33.891711	-117.499108 Riverside
33.7375	118.097778 Orange
33.737778	118.098056 Orange
33.739444	118.098889 Orange
33.73855	-118.099072 Orange
33.74501	-118.102222 Orange
33.77391	-118.07809 Orange
33.743333	-118.102778 Orange
33.741389	-118.103889 Orange
33.742222	-118.114167 Orange
33.8084	-118.00633 Orange
33.805	118.013056 Orange
33.822222	-118.006358 Orange
33.809358	118.0107 Orange
33.810047	-118.010589 Orange
33.8124	-117.9906 Orange
33.80997	-118.00634 Orange
33.806779	-118.008493 Orange
33.81	-118.005833 Orange
34.26091	116.91235 San Bernardino
34.2602	-116.91874 San Bernardino
34.287222	-117.292778 San Bernardino
33.72425	-117.42794 Riverside
33.734203	-117.429874 Riverside
34.23951	-117.49882 San Bernardino
33.899664	-117.234756 Riverside
33.919628	-117.246294 Riverside
33.866667	-117.528611 Riverside
33.948333	-117.282222 Riverside
33.757778	117.006111 Riverside
33.9225	-117.246389 Riverside
33.9466	-117.24248 Riverside
33.93357	-117.26375 Riverside
33.7396	-117.07073 Riverside
33.94296	-117.24958 Riverside
33.94254	-117.25365 Riverside
33.74032	-117.0676 Riverside
33.74384	-117.04859 Riverside
33.73521	-117.07874 Riverside
33.837	-117.28796 Riverside
33.67644	-117.24421 Riverside
33.79804	-117.01188 Riverside
33.93261	-117.2348 Riverside
33.62689	-117.15803 Riverside
33.69467	-117.20721 Riverside
33.94893	-117.23959 Riverside
33.74457	-117.1046 Riverside
33.69967	-117.11963 Riverside
33.72948	-117.0753 Riverside
33.697	-117.18031 Riverside
33.96558	-117.24299 Riverside
33.92645	-117.22287 Riverside
33.70001	-117.12783 Riverside
33.93237	-117.25932 Riverside
33.6816	117.244739 Riverside

[illegible]

Spill was from an Air Vacuum and Air Release valve located along Buchanan Street and adjacent to the La Sierra Channel
Excavation trench adjacent to sewer pump station at 200 Seal Beach Blvd.
Primarily sewer trench, some curb & gutter, some OCFCD driveway
Excavation adjacent to sewer pump station at 200 Seal Beach Blvd.
street

Manhole in street

End of line clean out located in alley behind 330 Main Street

The location of the sewer spill occurred at the intersection of Ocean Avenue and Electric Avenue.

Approximately 10 gallons of sewage overflowed from a clean-out vault in front of 15 1st Street, Seal Beach, CA

Manhole (#H072) in the middle of intersection of Lowden and Middlesex in Stanton, CA

Manhole #G010

At 1:10 pm on 2/6/09 City of Stanton Public Works staff noticed water percolating from manhole cover. Empire Pipe Clean

Sewage was percolating from manhole located at 10542 Knott Avenue, Stanton, CA 90680. Manhole is located in the center

Blocked manhole was discovered on westbound Cerritos Avenue at the intersection of Knott Ave in the City of Stanton, CA

A manhole located within the Continental Gardens Apartments (located at the northwest corner of Cerritos Ave and Fern ,

Manhole on Bell Street south of Cerritos Ave.

Near the centerline on Cerritos Avenue at Grandoaks Drive.

RV space 126, pipe failure occurred under driveway. sewage flowed down the street into storm drain and into Big Bear Lake

San Bernardino County Sheriff Correctional Facility Glen Helen Rehabilitation Center

Sewage flowed from a manhole

Overflowing manhole through pick hole

On Lytle Creek Road, Eastside, 400' N/O South Fork Road in Lytle Creek.

Manhole (M.H.) 135' W. Filaree Ave.

13874 Rockcrest Dr., Moreno Valley

Manhole (#35095) on Century St. in Moreno Valley

Sanderson & Menlo SSO, Hemet

Residential

Sewer lift station

Wet well of brine pump station

Manhole at the intersection of Davis Street and Groven Lane

Winchester Lift Station

Upstream manhole from sewer lift station located in a field

Manhole located behind the house located at 12959 Adeline Ave.

Lateral clean out in front yard next to curb

ning was called at 1:15 pm and arrived :
interline of the street approximately 200 f
A
Ave) at the latitude/longitude listed above

like.

Other sewer system structure
Other (specify)
Other sewer system structure
Other (specify)
Manhole
Manhole
Gravity sewer
Other (specify)
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Force main or pressure sewer
Force main or pressure sewer
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Manhole
Manhole
Other (specify)
Building or structure
Pump station
Other (specify)
Force main or pressure sewer
Manhole
Manhole
Pump station
Manhole
Other (specify)
Other (specify)
Pump station
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Other (specify)

Spill was from an Air Vacuum and Air Release Valve.
Excavation trench
Pipeline
Excavation

gravity sewer

The City's sewer maintenance contractor had cleaned out of one of the City's lift stations and was decanting the liquids in Clean-out vault

Sewage was coming up through manhole

Grease interceptor access cover.

Seeping from manhole pick hole.

M/H barrel was separated approximately 2' below grade, M/H was struck by a backhoe.

Lateral on private property
Apartment Clean-out

Private Lateral

Air Vac located on the brine line.

Manhole #10916 on Indian Street, approximately 300 feet north of Eucalyptus Avenue
Manhole No. 37873

Customer Clean Out
Lift Station, Pump No. 3 discharge line at location of pressure gauge

House lateral (due to main line blockage)

Surface Water;Unpaved surface
Other paved surface;Other (specify below)
Other paved surface
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Storm drain
Street/curb and gutter
Other paved surface
Combined storm drain (combined CS only);Other paved surface;Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Storm drain
Storm drain;Other (specify below)
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Storm drain;Surface water
Street/curb and gutter
Other (specify below)
Separate storm drain
Separate storm drain
Unpaved surface
Other paved surface;Separate storm drain;Street/curb and gutter;Other (specify below)
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter
Other (specify below)
Separate storm drain
Other (specify below)
Separate storm drain;Street/curb and gutter
Unpaved surface
Separate storm drain;Street/curb and gutter
Other paved surface;Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface;Other (specify below)
Separate storm drain;Street/curb and gutter;Other (specify below)
Street/curb and gutter
Other paved surface;Separate storm drain
Separate storm drain;Street/curb and gutter;Unpaved surface;Other (specify below)
Building or structure;Unpaved surface
Other paved surface;Unpaved surface
Unpaved surface;Other (specify below)
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Other (specify below)
Unpaved surface
Unpaved surface
Other (specify below)
Surface water

Excavation trench and small portion of roadway
sewer trench, some curb & gutter, some OCFCD driveway

Concrete alley

Spill contained within parking lot and landscaping.

Paved dry channel.

Grease trap access cover.

Final spill destination was recovered along with the disinfectant/flushing water.

spill was contained by an earthen dam approximately 400' S/O of M/H #27.

Spill flowed onto the street, curb, then stormdrain and finally into the Riverside Flood Control storm channel

Private Storm Basin

Spill entered a stormwater retention basin, and what could not be recovered by crews, percolated into the ground within the

Majority of the spill held onsite with a small portion contained along a drainage ditch outside plant.

The overflow reached a storm drain pipe inlet approximately 100 feet south of the manhole on Indian St. The storm drain

The spill went into a storm drain pipe that lead to a large unpaved stormwater catch basin and was contained within this catch

Spill went onto concrete/asphalt area around lift station, and also entered into a field around the lift station.

Entrance easement to Green Acres Lift Station - unpaved dirt & gravel

Storm water catch basin

Storm Channel

9/19/2013 15:00	9/19/2013 15:50	9/19/2013 15:50	9/19/2013 16:00
7/25/2007 9:15	7/25/2007 9:17	7/25/2007 9:25	7/25/2007 9:25
8/8/2007 8:20	8/8/2007 8:20	8/8/2007 8:20	8/8/2007 8:30
9/1/2007 14:50	9/1/2007 14:50	9/1/2007 14:50	9/1/2007 14:56
6/4/2008 8:30	6/4/2008 8:45	6/4/2008 8:50	6/4/2008 8:55
11/23/2009 8:05	11/23/2009 8:08	11/23/2009 8:10	11/23/2009 8:55
5/4/2010 10:00	5/4/2010 11:04	5/4/2010 11:04	5/4/2010 12:15
8/25/2012 4:00	8/25/2012 3:15	8/25/2012 3:00	8/25/2012 4:20
12/5/2012 9:30	12/5/2012 9:32	12/5/2012 9:40	12/5/2012 9:32
8/18/2013 1:00	8/18/2013 1:00	8/18/2013 1:20	8/18/2013 1:30
4/1/2007 15:49	4/1/2007 15:50	4/1/2007 16:00	4/1/2007 16:05
5/11/2007 20:50	5/11/2007 21:00	5/11/2007 21:05	5/11/2007 21:12
2/6/2009 13:10	2/9/2009 8:00	2/6/2009 13:10	2/6/2009 13:45
2/9/2009 14:40	2/9/2009 16:00	2/9/2009 14:45	2/9/2009 14:55
12/11/2009 20:51	12/11/2009 22:40	12/11/2009 21:36	12/11/2009 23:50
3/4/2010 19:00	3/4/2010 19:05	3/4/2010 19:30	3/4/2010 22:30
4/5/2010 13:40	4/5/2010 13:40	4/5/2010 13:45	4/5/2010 15:00
11/25/2010 12:40	11/25/2010 12:45	11/25/2010 13:00	11/25/2010 13:15
7/30/2012 11:30	7/30/2012 11:30	7/30/2012 11:35	7/30/2012 14:05
2/19/2007 12:45	2/19/2007 14:05	2/19/2007 14:40	2/19/2007 14:57
8/1/2013 11:30	8/1/2013 11:30	8/1/2013 11:40	8/1/2013 11:40
9/27/2011 2:50	9/27/2011 3:30	9/27/2011 3:50	9/27/2011 3:15
8/6/2007 21:20	8/6/2007 21:20	8/6/2007 21:45	8/6/2007 22:15
11/12/2012 22:24	11/12/2012 22:24	11/12/2012 23:15	11/12/2012 23:35
10/14/2008 14:05	10/14/2008 14:05	10/14/2008 14:05	10/14/2008 15:55
1/6/2007 12:22	1/6/2007 12:22	1/6/2007 13:10	1/6/2007 13:26
1/23/2007 18:45	1/23/2007 18:45	1/23/2007 19:15	1/23/2007 19:30
2/18/2007 12:36	2/18/2007 12:50	2/18/2007 13:30	2/18/2007 14:00
10/9/2007 8:03	10/9/2007 8:03	10/9/2007 8:20	10/9/2007 8:36
2/26/2008 20:00	2/26/2008 20:00	2/26/2008 20:30	2/26/2008 20:50
8/16/2008 10:45	8/16/2008 10:45	8/16/2008 11:30	8/16/2008 12:00
4/10/2009 8:08	4/10/2009 8:08	4/10/2009 8:08	4/10/2009 9:22
5/17/2009 20:30	5/17/2009 20:30	5/17/2009 21:20	5/17/2009 21:59
5/18/2009 22:00	5/18/2009 22:00	5/18/2009 22:50	5/19/2009 0:06
7/24/2009 8:30	7/24/2009 10:16	7/24/2009 11:00	7/24/2009 13:10
1/5/2010 16:30	1/5/2010 16:30	1/5/2010 17:15	1/5/2010 20:30
1/26/2010 11:00	1/26/2010 12:00	1/26/2010 11:30	1/26/2010 12:30
3/13/2010 13:45	3/13/2010 14:27	3/13/2010 14:27	3/13/2010 14:27
7/29/2010 10:00	7/29/2010 14:21	7/29/2010 14:45	7/29/2010 15:19
11/25/2010 7:00	11/25/2010 7:00	11/25/2010 9:05	11/25/2010 9:05
12/7/2010 14:15	12/7/2010 14:15	12/7/2010 14:15	12/7/2010 14:45
4/20/2011 13:30	4/20/2011 13:30	4/20/2011 13:30	4/21/2011 3:00
8/17/2011 9:35	8/17/2011 10:13	8/17/2011 10:30	8/17/2011 10:40
8/29/2011 14:20	8/29/2011 14:20	8/29/2011 14:38	8/29/2011 14:38
10/6/2011 4:30	10/6/2011 4:30	10/6/2011 4:20	10/6/2011 4:50
12/11/2011 16:58	12/11/2011 17:40	12/11/2011 18:14	12/11/2011 19:15
1/3/2012 7:00	1/3/2012 7:00	1/3/2012 7:53	1/3/2012 8:30
2/27/2012 4:40	2/27/2012 4:40	2/27/2012 5:20	2/27/2012 5:20
7/24/2012 7:45	7/24/2012 7:45	7/24/2012 8:00	7/24/2012 8:00
12/8/2012 8:30	12/8/2012 8:30	12/8/2012 10:30	12/8/2012 11:15
1/7/2013 9:03	1/7/2013 9:03	1/7/2013 9:58	1/7/2013 10:11
1/14/2013 6:00	1/17/2013 11:45	1/17/2013 13:10	1/17/2013 13:25
3/26/2013 1:09	3/26/2013 12:30	3/26/2013 1:00	3/26/2013 1:20
7/29/2013 8:00	8/1/2013 9:55	8/1/2013 10:20	8/1/2013 10:58
4/7/2007 12:30	4/7/2007 12:30	4/7/2007 12:50	4/7/2007 13:57

Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure

Other (specify below)

Other (specify below)

Pipe structural problem/failure

Grease deposition (FOG)

Debris-General

Debris-General

Grease deposition (FOG)

Operator error

Debris-General

Debris-General

Root intrusion

Grease deposition (FOG)

Grease deposition (FOG)

Grease deposition (FOG)

Vandalism

Grease deposition (FOG)

Grease deposition (FOG)

Vandalism

Pipe structural problem/failure

Other (specify below)

Pipe structural problem/failure

Root intrusion

Pump station failure

Debris-General

Grease deposition (FOG)

Grease deposition (FOG)

Other (specify below)

Root intrusion

Grease deposition (FOG)

Vandalism

Debris-General

Grease deposition (FOG)

Grease deposition (FOG)

Other (specify below)

Debris-General

Other (specify below)

Grease deposition (FOG)

Grease deposition (FOG)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Debris-General

Debris-Rags

Other (specify below)

Root intrusion

Root intrusion

Vandalism

Other (specify below)

Other (specify below)

Root intrusion

While excavating a 16 DI sewer, a 3/4 nipple attached to the old sewer bypass blew out.
Old drain line plug on sewer bypass equipment
As part of a sewer pump station rehab project, cam lock on by-pass came loose

On call City employee was notified by a private plumber who was snaking a business lateral City employee arrived before

Tree Roots and Rag

The 8 inch sewer line on Fern Ave was obstructed by several concrete rocks, each approximately 6 x 3 in size (see pict

Utility work crew drilled through line

D152 Pump controller failed. Replaced with Hydorranger.
M/H was struck by a backhoe. The M/H barrel was seperated approximately 2' below grade, rocks & debris when inside th

FOG and pipe problem (channel not cut all the way for lateral).

FOG, rags and debris

Stick was found across the flow cause build-up and causing blockage.

General debris and FOG

General Debris; manhole lid removed allowing sand to enter sewer; possible vandalism.

Vehicle struck lift station facility damaging piping.

Air vac stuck open.

Construction crew hit pipe during excuvation. Site was correctly pre-marked.

Debris, heavy grease and rags were observed when blockage was broken. However, due to this sewer line, and lines trib
The spill was caused by an 8 screw plug left in a sewer line from a nearby new development by D.R. Horton that was insi
Power failure due to rainstorm took pumps offline, brine from desalters drained back into wet well causing it to overflow
At the time the blockage was cleared, there was some grease observed. Records showed that this sewer line had been c
The manhole had rocks, sticks, debris and grease in it that blocked the flow of the main line and filled up customers later
Lift Station operator arrived on scene to find Pump No. 3 discharge line spraying sewage around immediate area. Upon i
The spill wad due to a mechanical failure. The airvac at the pump station became stuck and the float came unscrewed c
Cause was not able to be identified once blockage was broken. There was no indication that grease was a major cause, t

A construction cone and several pieces of plywood were removed from the manhole.

Lift station pump failure

There were two causes, one was root intrusion, the other was a Verizon fiber optic line had drilled through and placed a p

Air Relief Valve (ARV)/Blow-Off Valve (BOV)

Main
Main
Main
Other (specify below)
Other (specify below)
Main

Main
Main
Main
Main
Main
Main
Main

Main
Other (specify below)
Main
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)

Other (specify below)
Other (specify below)
Other (specify below)

Other (specify below)

Main
Other (specify below)
Other (specify below)
Main
Main
Main
Other (specify below)
Main
Main
Main
Other (specify below)
Main
Main
Upper Lateral
Other (specify below)
Main

Spill occurred at the conclusion of the decanting process as a result of contractor equipment operator error.
Clean-out vault

Failure occurred in the main line on Fern Ave, resulting in an overflow at an alley in the nearby apartment complex at the

Blockage in 4 kitchen waste line 30' from grease trap outlet.

Pump controller failed, allowing wetwell to fill. Sewage spilled out of manhole pick hole
M/H

Blockage near manhole

blockage near manhole

Combination of FOG and piping issue.

Blockage near manhole

blockage near manhole

blockage near manhole

blockage near manhole

Blockage in main sewer cause back-up to apartment clean-out resulting in an SSO.

Above ground piping at sewer lift station.

Air Vac

Brine pump station wet well

Lift (Pump) Station

Lift station wet well

No

12 ductile iron pipe
12 ductile iron
12
4 vcp
8
8

northwest corner of Fern Av

8 clay
10 VCP
8 VCP
8 VCP

15 VCP
12 PVC

8 PVC

8

8 VCP

30

5

25

56

25

30

40

Wetted soil around the Air Vacuum and Release valve was removed. Brine in spill containment area was pick-up and ret

Contractor is on duty at station 24-7 to maintain sewer by-pass during construction responding immediately, valve was shut

Spill was vacuumed up and deposited in downstream manhole

City staff discovered the spill approximately two minutes after it occurred and quickly mobilized a response crew. Staff u
Snaked clean-out line.

Public Works Maintenance Staff received a report of a sewer spill at 7:05 pm, March 4, 2010. Staff responded immediate
At 13:40 on 3/5/2010, City Code Compliance noted a sewage smell at 10500 Lowden St and called Public Works. Public

Big Bear Shores maintenance foreman Dave Calhoon had plowing snow all morning and making routine checks of the re:

Notified of spill in progress at 9:20 PM, arrived on scene at 9:45 PM. Set up containment, cleared blockage, cleaned up a
Checked station, found pumps not running. Ran in hand, pumped wetwell, found failed controller. replaced controller. T
Repaired M/H 10-14-2008

Broke blockage and returned normal flow to sewer. Area absorb spill, area was raked clean and lime applied.
Follow-up clean-up to affected area including apartment building.
Added street to the 90-day hot spot.

Will include manholes to trouble sections for increase check and routine clean-up. Spill percolated into the ground and ai

The top layer of soil was removed.

193,623 percolated into the field that was not recovered.

The blockage was broken by EMWD crews. Vacuum trucks were called in and the storm drain was flushed where the SS
Collection crews arrived and there was no further seepage from manhole. They found a damp spot near manhole and a
Operators were made aware of power failure and were attempting to get into the power controlled gates when the overflow
Original call came into EMWD at 4:58 pm and a water leak was reported. At 5:40 pm EMWD Collections Crew was calle
Call came in as a customer lateral blockage. Upon investigation it was found that manhole was blocked with debris. Cre
Upon arrival, lift station operator immediately shut off the pump, and then called the collections and vactor crews to begin
Upon arriving to the scene, the first responder immediately shut down the forcemain valve which immediately stopped the
CCTV of the line was conducted on Tuesday, December 11th and root intrusion into the sewer line was determined to be
Once the blockage was cleared, it took some time to track where the storm drain lead to. Crews had to utilize dye to trac

A total of 192,000 gallons of water was recovered. This includes 70,000 gallons of wash water.

Attempted to contain spill. Called for additional equipment and man power. Blockage was relieved and area was cleaned u

9/19/2013 16:00

11/23/2009 10:25

4/1/2007 20:45

5/11/2007 23:55

2/6/2009 13:45

12/11/2009 23:50

3/5/2010 12:00

7/30/2012 15:30

2/19/2007 22:00

8/1/2013 16:30

11/13/2012 11:00

1/6/2007 14:30

1/23/2007 20:15

2/18/2007 14:30

10/9/2007 10:36

2/27/2008 15:30

8/16/2008 12:00

4/10/2009 13:00

5/17/2009 23:00

7/24/2009 16:30

4/21/2011 15:00

8/18/2011 11:30

10/6/2011 6:15

12/12/2011 10:30

2/27/2012 10:00

1/7/2013 16:30

1/17/2013 16:30

8/4/2013 11:00

4/7/2007 15:30

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Repaired sewer

Adjusted schedule/method of preventive maintenance

Repaired sewer

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Repaired sewer

Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program;Repaired sewer

Other (specify below)

Enforcement action against FOG source

Adjusted schedule/method of preventive maintenance;Other (specify below)

The large concrete rocks that caused the spill were removed immediately from the sewer line. The rocks did not damage

Replaced entire 20-foot section of 12-inch sewer pipeline.
USA Training

Replaced faulty pump controller

Referred problem to Inspection Dept. to see if contractor will correct problem.
Applied Root X

Restored flow.
Cleaned pipeline
Broke blockage and returned system to normal flow.

Cleaned up area and return flow.

CCTV was conducted in the area and the sewer lines cleaned again.

Project in place to install check valves
From the records, this line was last cleaned on June 17, 2011. EMWD crews cleaned the sewer line & sewer lines in the
Crews worked to remove the broken portion of the pipe, and then capped off the 3/4 inch opening. They then backflushed

Lock manhole covers

Clean root intrusion, identify the utility line within the sewer and have it removed. Warning signs placed along March Air
Removed roots and scheduled for rehab of man hole grade rings to prevent future root intrusion.

No

No

No
No
No

Yes
No

No
Yes
No

No

No
No
No
No
No
No
No
No
No

Yes

Yes
No

No
No

No

No
Yes

Yes
Yes

La Sierra Channel is a rectangular concrete lined channel. There is a significant base flow in the channel. No visual sign
n/a
n/a
OC Flood control was notified and responded to inspect near by flood control pump station wet well and found no impact.

grease debris
No impacts to receiving waters.
N/A

Receiving water was not impacted.

Visual inspections were made at the entry point, 150-feet to the west and 150-feet to the east. No obvious impacts were c

None

Spill did not reach surface waters

There was no visual impact. Samples were taken and ran by the laboratory

No No

No

No
No
No

No
No

No
No
No

Yes

No
No
No
No
Yes
No
No
No

No

No
No

No
Yes

Yes

Yes
Yes

Yes
Yes

NA

No impacts to beaches.

N/A

NA

NA

NA

NA

NA

NA

NA

N/A

NA

NA

NA

NA

NA

NA

NA

NA

NA

Private shore lines on Point Marina and Clear Water.

La Sierra Channel

NA

No surface water affected
No impacts to surface waters.
N/A

NA

NA
NA

Not applicable.

N/A
Big Bear Lake
N/A
none
NA
Storm drain. not named.

RCFC Flood Channel, Name Unknown
RCFC Storm Drain Facility, Name Unknown
RCFC Storm Drain Facility, Name Unknown
RCFC Storm Drain Facility, Name Unknown
NA
RCFC Storm Drain Facility, Name Unknown
RCFC Stormwater Retention Basin, Name Unknown
RCFC Storm Drain Facility, Name Unknown

RCFC Storm Drain Facility, Name Unknown

NA
None
NA
Sunnymead Flood Control Channel
Did not reach any storm drains or surface waters, this question is not applicable.
Riverside County Flood Control Storm Drain - Name Unknown
Riverside Flood Control Stormwater Catch Basin, Name Unknown
NA - Did not enter a surface water.
NA - Did not enter into any storm drain or surface water
NA - Did not enter surface waters
NA - Did not reach surface waters.
Poor Man's Reservoir - Storm water catch basin
NA
N/A
Mariposa Storm Channel
Canyon Lake

No water quality samples taken

No water quality samples taken

Not applicable to this spill
No water quality samples taken
Not applicable to this spill

Not applicable to this spill
No water quality samples taken

Not applicable to this spill
Biological indicator(s) - specify below
Not applicable to this spill

Biological indicator(s) - specify below

Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
No water quality samples taken

Not applicable to this spill
Biological indicator(s) - specify below

Total Coliform samples were taken at the entry point, 150-feet west and 150-feet east. Results may take up to 96 hours. §

E. Coli bacteria

Coliform Bacteria using Colilert

No water quality samples taken

None of the above

Not applicable to this spill
No water quality samples taken
No water quality samples taken

None of the above
No water quality samples taken

Not applicable to this spill
None of the above
None of the above

None of the above

Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
Not applicable to this spill
No water quality samples taken

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
County Health Agency;Regional Water Quality Control Board

None of the above
None of the above

Final results will be forwarded to the Regional Board once analysis is completed.

\${ssoDetails.resultsReportedExplanation}

A field test was conducted to estimate the spill volume.

135906	9/19/2013 17:10
74462	7/25/2007 12:15
74761	8/8/2007 4:00

97873	11/23/2009 10:00
	5/4/2010 2:05
	8/25/2012 5:40

91136	2/9/2009 17:00
	12/11/2009 22:40
101574	3/5/2010 9:30

107095	11/25/2010 13:17
124441	7/30/2012 17:45
71091	2/19/2007 16:16
134749	8/1/2013 14:00
115741	9/27/2011 17:31

126861	11/12/2012 23:56
87430	10/14/2008 18:40

71075	2/18/2007 15:00
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81637	2/26/2008 21:40
	8/16/2008 12:10
92887	4/10/2009 10:50
93739	5/18/2009 8:35

95208	7/24/2009 13:32
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107090	11/25/2010 11:26
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Nov-04	4/20/2011 14:00
114885	8/17/2011 11:29

115945	10/6/2011 5:18
117322	12/11/2011 20:09

121123	2/27/2012 7:29
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130133	1/7/2013 10:08
130360	1/17/2013 14:05

134737	8/1/2013 10:40
72189	4/7/2007 17:37

8SSO10618	Historical	711423 Ted Eich	Certified
8SSO10618	Historical	711428	Ready To Certify
8SSO10618	Historical	713947 Ted Eich	Certified
8SSO10620	Active	653920 Theodore P. Eich	Certified
8SSO10620	Active	654914 Ted Eich	Certified
8SSO10620	Active	723934 Ted Eich	Certified
8SSO10620	Active	724522 Ted Eich	Certified
8SSO10620	Active	730411 Ted Eich	Certified
8SSO10620	Active	732556 Ted Eich	Certified
8SSO10620	Active	733041 Ted Eich	Certified
8SSO10620	Active	741832 Ted Eich	Certified
8SSO10620	Active	745554 Ted Eich	Certified
8SSO10620	Active	747200 Ted Eich	Certified
8SSO10620	Active	747452 Ted Eich	Certified
8SSO10620	Active	748157 Robert O Barnard	Certified
8SSO10620	Active	748743 Andy M. Pierson	Certified
8SSO10620	Active	749360 Ted Eich	Certified
8SSO10620	Active	749652 Ted Eich	Certified
8SSO10620	Active	750765 Ted Eich	Certified
8SSO10620	Active	751985 Ted Eich	Certified
8SSO10620	Active	755739 Ted Eich	Certified
8SSO10620	Active	760108 Robert Barnard	Certified
8SSO10620	Active	760131 Robert Barnard	Certified
8SSO10620	Active	760135 Robert Banard	Certified
8SSO10620	Active	760136 Robert Barnard	Certified
8SSO10620	Active	770022 Robert O Barnard	Certified
8SSO10620	Active	771336 Robert O Barnard	Certified
8SSO10620	Active	775722 Robert O Banard	Certified
8SSO10620	Active	778780 Robert O Barnard	Certified
8SSO10620	Active	782257 Robert O Barnard	Certified
8SSO10620	Active	782292 Robert O Barnard	Certified
8SSO10620	Active	782994 Robert O Barnard	Certified
8SSO10620	Active	783000 robert O Barnard	Certified
8SSO10620	Active	795601 robert O Barnard	Certified
8SSO10621	Active	716548 Jeff R. Pape	Certified
8SSO10625	Active	750478 Chris Montana	Certified
8SSO10630	Active	658128 Dick Sun	Certified
8SSO10630	Active	727717 Dick Sun	Certified
8SSO10635	Active	738684 Joe O'Neil	Certified
8SSO10636	Active	647098 Mike Itnyre	Certified
8SSO10636	Active	647913 Mike itnyre	Certified
8SSO10636	Active	647915 Mike Itnyre	Certified
8SSO10636	Active	647918 Mike Itnyre	Certified
8SSO10636	Active	653162 Mike Itnyre	Certified
8SSO10636	Active	653164 Mike Itnyre	Certified
8SSO10636	Active	710681 Mike Itnyre	Certified
8SSO10636	Active	714791 Mike Itnyre	Certified
8SSO10636	Active	725548 M itnyre	Certified
8SSO10636	Active	741041 Mike Itnyre	Certified
8SSO10636	Active	748688 Mike Itnyre	Certified
8SSO10636	Active	750849 Mike Itnyre	Certified
8SSO10636	Active	751202 Mike itnyre	Certified
8SSO10636	Active	761853 Mike Itnyre	Certified
8SSO10636	Active	761873 Mike Itnyre	Certified
8SSO10636	Active	773870 Mike Itnyre	Certified

Wastewater Operations Manager

Wastewater Operations Manager

Wastewater Operations Manager

Wastewater Advisor

Wastewater Operations Manager

Wastewater Operatoins Manager

Wastewater Operations Manager

Wastewater Advisor

Wastewater Advisor

Wastewater Operations Manager

Wastewater Operations Manager

Wastewater Operations Manager

Wastewater Operations Manager

Wastewater Collections System superintendent

Cheif Palnt Operator

Wastewater Advisor

Wastewater Advisor

Wastewater OPerations Manager

Wastewater Operations Manager

Wastewater Operations Manager

Collection System Superintendent

Collection System Superintendent

Collection System Superintendent

Collection System Superintendent

Wastewater Collections Superintendent

wastewater Collections superintendent

Wastewater collections Superintendent

Wastewater Collections Superintendent

Wastewater Collections Superintendent

Wastewater Collections Superintendent

Wastewater Collections superintendent

Wastewater Collections Superintendent

Wastewater Collections Superintendent

General Manager

Clerk

Senior Manager, Env & Radiation Protection

Deputy Directory

City Engineer

Plant Manager

plant manager

Plant Manager

Plant Manager

Plant Manager

Plant Manager

Plant Manager

Plant manager

Plant Manager

Plant Manager

Plant Manager

Supervisor

Plant Manager

Manager

Plant Manager

Manager

	11:37	427696
2:53PM		101102
	10:20 PM	995121
	9:17 AM	763354
	9:50 AM	668629
	1420	663827
	8:15 AM	468494
	9:30 AM	447046
	7:48 AM	819709
	3:29 PM	504609
	12:15	472750
	3:20 PM	224463
	6:37 AM	592904
	11:19 AM	802192
	3:46 PM	433894
	9:21 AM	665270
	9:19 AM	381347
	3:55 PM	118453
	10:29 AM	498372
	11:05 AM	527240
	1:51 PM	649856
	1:48 PM	967068
	1:45 PM	546823
	10:25 AM	515030
	10:31 AM	838044
	16.15	462780
	6.43	817194
	9:12	724456
	12.47	447942
	12.15	750357
	8.54	971688
	15.4	140894
	16.04	122907
Lee Lake Office		522434
Huntington Beach,CA		921197
	12:59 PM	316168
UC Irvine		816880
Villa Park		535388
colton		912566
colton		481479
colton		953476
Colton		294070
Colton		218051
Colton		832374
Colton		313875
Colton		734154
Colton		155134
Colton		133862
Colton		932724
Colton		411353
Colton Ca		716128
Colton		385616
Colton		599804
Colton Ca		668835

18-Jan-08		18-Jan-08	1/18/2008
18-Jan-08		18-Jan-08	
26-Feb-08		26-Feb-08	2/27/2008
10-Jul-07		11-Jul-07	7/11/2007
30-Jul-07		1-Aug-07	12/16/2010
31-Jul-08		1-Aug-08	8/1/2008
11-Aug-08		13-Aug-08	8/13/2008
11-Dec-08		11-Dec-08	12/11/2008
26-Jan-09		26-Jan-09	12/16/2010
4-Feb-09		4-Feb-09	12/16/2010
27-Jul-09		31-Jul-09	7/31/2009
12-Oct-09		12-Oct-09	10/12/2009
30-Nov-09		30-Nov-09	11/30/2009
11-Dec-09		11-Dec-09	12/11/2009
5-Jan-10		5-Jan-10	2/7/2011
25-Jan-10		30-Jan-10	1/17/2011
12-Feb-10		12-Feb-10	12/16/2010
22-Feb-10		22-Feb-10	12/16/2010
18-Mar-10		18-Mar-10	3/18/2010
27-Apr-10		27-Apr-10	4/27/2010
4-Aug-10	8/4/2010	4-Aug-10	8/4/2010
3-Jan-11	1/3/2011	3-Jan-11	1/6/2011
3-Jan-11	1/3/2011	3-Jan-11	1/6/2011
3-Jan-11	1/3/2011	3-Jan-11	1/6/2011
3-Jan-11	1/6/2011	6-Jan-11	1/6/2011
19-Aug-11	8/19/2011	22-Aug-11	8/22/2011
21-Sep-11	9/21/2011	3-Oct-11	10/3/2011
11-Jan-12	1/11/2012	2-Feb-12	2/2/2012
16-Mar-12	3/16/2012	5-Apr-12	4/5/2012
19-Jun-12	6/20/2012	20-Jun-12	6/20/2012
20-Jun-12	6/20/2012	2-Jul-12	7/2/2012
5-Jul-12	7/5/2012	17-Jul-12	7/17/2012
5-Jul-12	7/10/2012	10-Jul-12	7/10/2012
16-Jun-13	6/17/2013	17-Jun-13	6/17/2013
25-Apr-08		28-Apr-08	4/28/2008
10-Mar-10		29-Mar-10	3/29/2010
27-Sep-07		29-Feb-08	2/29/2008
10-Oct-08		16-Oct-08	12/2/2010
8-Jun-09		8-Jun-09	6/8/2009
15-Feb-07		3-Dec-10	12/3/2010
13-Mar-07		3-Dec-10	12/3/2010
13-Mar-07		3-Dec-10	12/3/2010
13-Mar-07		3-Dec-10	12/3/2010
28-Jun-07		3-Dec-10	12/3/2010
28-Jun-07		3-Dec-10	12/3/2010
3-Jan-08		3-Dec-10	12/3/2010
12-Mar-08		3-Dec-10	12/3/2010
2-Sep-08		17-Sep-08	9/17/2008
14-Jul-09		14-Jul-09	12/3/2010
22-Jan-10		3-Dec-10	12/3/2010
22-Mar-10		22-Mar-10	3/22/2010
1-Apr-10		25-Oct-10	10/25/2010
25-Jan-11	1/25/2011	25-Jan-11	1/25/2011
25-Jan-11	1/25/2011	3-Feb-11	2/3/2011
8-Dec-11	12/8/2011	8-Dec-11	12/8/2011

Category 2	6000	6000
Category 2	1800	1800
Category 3	500	500
Category 2	1850	150
Category 1	1031	15
Category 2	10100	10100
Category 3	5	0
Category 3	75	75
Category 3	10	10
Category 3	25	0
Category 2	6000	0
Category 3	400	400
Category 3	15	0
Category 1	3000	400
Category 3	607	100
Category 1	63474	0
Category 1	200	100
Category 3	510	510
Category 3	100	0
Category 3	20	20
Category 3	5	0
Category 1	2415	0
Category 1	3923	1500
Category 1	16281	3500
Category 1	67825	0
Category 3	30	0
Category 2	2783	0
Category 3	50	40
Category 3	40	0
Category 2	4500	4000
Category 1	10498	4000
Category 3	886	120
Category 3	10	0
Category 1	3850	3750
Category 2	3000	3000
Category 3	20	20
Category 1	980	200
Category 1	200	0
Category 1	100	50
Category 3	450	
Category 3	150	0
Category 3	150	
Category 3	50	
Category 3	400	400
Category 3	50	50
Category 3	300	300
Category 3	25	25
Category 3	25	25
Category 1	1070	0
Category 1	10850	0
Category 3	250	250
Category 2	23200	20000
Category 3	200	200
Category 1	2500	2500
Category 2	3000	3000

0 No	No
0 No	No
No	No
0 No	No
1016 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
2600 Yes	No
0 No	No
63474 Yes	No
100 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
2340 Yes	Yes
2423 Yes	No
12781 Yes	No
52825 Yes	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
6498 Yes	Yes
0 No	No
0 No	No
100 No	No
0 Yes	No
0 No	No
780 Yes	Yes
200 Yes	Yes
50 No	Yes
No	No
0 No	No
No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
1070 Yes	Yes
10850 Yes	No
0 No	No
0 No	Yes
0 No	Yes
25 No	Yes
0 No	No

[illegible]

Long Horn #1 Liftstation
Long Horn #2 liftstation
Canyon Lake
Mission Trail 7.09.07
20 Villa Milano
McVicar Lift Station SSO
Odyssey St. Sewer overflow
Canyon Lake Shopping Center
Long Horn Drive Spill 1/12/09
Indian Beach Park
Mission Trail
Village Way Force Main Break
Vacation Drive Canyon Lake
Regional Wastewater Treatment Facility Spill
Mustang Spirit Easement
Lakeshore/ Railroad Canyon Area
San Joaquin Dr. / Canyon Lake
Summerhill Lift Station Spill
EVMWD Back Basin Water Treatment Facility
Skylink Drive Canyon Lake
Lakeshore Drive. MH-2729
San Joaquin Drive
Riverside Drive / Strickland Ave.
Riverside Drive and Strickland Ave.
Lakeshore and Elm St.
114 Chestnut
20 Villa Milano
32556 Mission Trail
911 W Graham
Palomar air release
Village Way electrical Failure
Backbasin Liftstation
22636 Inspiration Pt
Back Basin Liftstation
Trilogy PKY
S. Pacific Avenue at 21st Street
University Hills - Russell Court
University Hills - Curie Court
Wanda Rd. between Villa Park Rd. and Santiago Blvd.
400 n 4th Street
479 W. Casey
479 W. Casey Ct.
McDonald's restaurant
1601 Steel Road
Mt. Vernon and Fairway
1988 Sago Palm St.
Man hole 10-17 Hanna Street
Rancho Ave
Sago Palm
Congres and Seventh
1197 N La Cadena
Valley blvd.
451 e D st
Fiesta Village
10th street and H street

33.686	117.274 Riverside
33.683278	117.280083 Riverside
33.684444	117.265278 Riverside
33.646389	117.293611 Riverside
33.683889	-117.285 Riverside
33.596389	117.263056 Riverside
33.707222	117.301111 Riverside
33.671111	117.253056 Riverside
33.683889	-117.277222 Riverside
33.678889	-117.250556 Riverside
33.646389	-117.293889 Riverside
33.681667	-117.268056 Riverside
33.695833	-117.261944 Riverside
33.683611	-117.342778 Riverside
33.590556	-117.223611 Riverside
33.664611	-117.326944 Riverside
33.696294	-117.265328 Riverside
33.687175	-117.285283 Riverside
33.653161	-117.304711 Riverside
33.671522	-117.258758 Riverside
33.663056	-117.318889 Riverside
33.69502	-117.26546 Riverside
33.68906	-117.35476 Riverside
33.68906	-117.35476 Riverside
33.66117	-117.30445 Riverside
33.66763	-117.32514 Riverside
33.68406518	-117.2852681 Riverside
33.64657	-117.29384 Riverside
33.67112	-117.33751 Riverside
33.58245	-117.2424 Riverside
33.68249	-117.26741 Riverside
33.65274	-117.2958 Riverside
33.69467	-117.26437 Riverside
33.65274	-117.2958 Riverside
33.774724	117.504122 Riverside
33.71801	-118.07203 Orange
33.641275	117.839789 Orange
33.639194	-117.841883 Orange
33.812228	-117.821961 Orange
34.099367	117.329725 San Bernardino
34.08345	-117.327964 San Bernardino
34.08345	117.327964 San Bernardino
34.067281	117.326267 San Bernardino
34.061944	-117.3025 San Bernardino
34.068333	-117.310833 San Bernardino
34.078292	-117.362622 San Bernardino
34.076028	117.325867 San Bernardino
34.081667	117.334444 San Bernardino
34.078333	-117.362361 San Bernardino
34.055833	-117.327222 San Bernardino
34.412556	-117.322278 San Bernardino
34.186667	-117.316667 San Bernardino
34.071944	-117.318333 San Bernardino
34.048611	-117.303611 San Bernardino
34.183056	-117.578056 San Bernardino

Manhole on Southeast side of Mission Trail Ave. across the street from 32560 Mission Trail Ave.
Manhole in the street.

Seeping from manhole

Spill emanated from a man hole behind the shopping center

Sewer spilled while plumber was cleaning lateral

Seepage from an abandon force main

Sewage exited a manhole on the edge of Mission Trail Ave. and flowed into an open field.

Force Main PVC pipe line from lift station cracked and began to leak during pumping cycles

Spill occurred at an end of line clean out. Staff was checking District easements and came across this spill after it had had a
Sump pump failure at solids handling building. Pumps shut down due to moisture sensor activation.

Spill emanated from a manhole on a District easement between Mustang Spirit Lane and Jackson St. Spill was contained

Due to heavy rains the San Jacinto River began to exceed it's banks due to the release of water from the Crayon Lake Dam

Spill emanated from a man hole located in a ravine near the reported address of 22401 San Joaquin Dr. Sewage mixed with

Spill emanated from a manhole just upstream of the Summer Hill liftstation.

Spill emanated from a end of line clean out.

Spill exited a manhole in Lakeshore Dr. during surcharge conditions

A manhole located within a canyon/ ravine area spilled

Sewer Liftstation located at Riverside Drive and Strickland Ave. within the city of Lake Elsinore

Spill was located at the A-1 liftstation at the intersection of Riverside Dr. and Strickland Ave. in the City of Lake Elsinore

During storm event a spill occurred from four different manholes resulting in the volume reported. This spill was considered
seeping from the dirt 5 ft from edge of asphalt, the sewage traveled in the dirt about 200 ft.

a manhole in a paved road

in the street at a man hole

exited at a clean out near a building, ran across the parking lot and entered the grass area then crossed a sidewalk to the
1000 ft north of Washington Street, entered into a vacant field.

in the street then traveled along the curb to a storm drain where it entered into Canyon Lake

clean out on customer property

the SSO discharge was at the wet well and entered an old excavation adjacent to the liftstation site.

Sewage block in 4 inch main sewer line on Russell Court.

The spill location was adjacent to 22 Curie Ct., Irvine, CA 92671

Flow from manhole on Wanda Rd.

Alley middle of street

Manhole cover was overflowing from pickhole on Casey Ct. in the middle to the gutter.

Parking lot of new construction

2nd Man hole on Fairway 15-3

Man hole in street

Mh 5-32 Rancho and Laurel

Residential Tract

Man Hole overflowed due to excessive rain

Man Hole 14-115

Dirt alley 10th and H street. Vacant field

appened.

within the easement area.

n which impacted the sewer collection S
n storm run of and entered a storm drain

.
ed one spill incident.

: curb gutter.

Force main or pressure sewer
Force main or pressure sewer
Manhole
Manhole
Manhole
Other (specify)
Gravity sewer
Manhole
Building or structure
Other (specify)
Pump station
Force main or pressure sewer
Gravity sewer
Building or structure;Other sewer system structure
Gravity sewer
Other (specify)
Gravity sewer;Manhole
Manhole
Pump station
Gravity sewer;Manhole
Gravity sewer
Manhole
Manhole;Pump station
Gravity sewer;Pump station
Gravity sewer
Gravity sewer
Manhole
Manhole
Other sewer system structure
Other sewer system structure
Manhole
Pump station
Other sewer system structure
Pump station
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Gravity sewer
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Other sewer system structure
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Manhole

Sewer overflowed from a manhole housing an airvac device used to evacuate entrapped air in a liftstation force main.

Spill occurred from a force main surge tank access port.
from manhole

Seepage from a pipe joint of an abandon force main.

Sewage began to seep out of the force main within an easement.

several manholes werer impacted due to the infiltratuion to the sewer collection sytem overload due to heavy rains.
Spill came from a manhole in a ravine that has a storm drain that discharges run off to canyon Lake

clean out
air release vault

Clean out
wetwell

Man hole over flowing est 200 GPM

MH overflowing 20 gpm

Other (specify below)
Other (specify below)
Other paved surface
Other (specify below)
Separate storm drain
Unpaved surface
Storm drain;Street/curb and gutter
Other (specify below)
Other (specify below)
Unpaved surface
Unpaved surface
Unpaved surface;Other (specify below)
Unpaved surface
Other (specify below)
Unpaved surface
Surface water
Surface water
Street/curb and gutter
Unpaved surface
Unpaved surface
Other paved surface
Surface water
Surface water
Surface water
Other (specify below)
Unpaved surface
Other (specify below)
Other paved surface;Other (specify below)
Street/curb and gutter
Other (specify below)
Surface water
Unpaved surface;Other (specify below)
Unpaved surface
Unpaved surface
Other (specify below)
Street/curb and gutter
Storm drain;Surface water
Other (specify below)
Storm drain
Other paved surface
Other paved surface
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Other paved surface
Other paved surface
Other paved surface
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Other (specify below)
Storm drain
Combined storm drain (combined CS only)
Unpaved surface
Unpaved surface

Sewer Spill was contained within the construction trench
Spill volume was contained within the excavation trench
Spill was contained along the curb and gutter portion of the street.
Spill percolated into the soil adjacent to the manhole. Contaminated soil was removed by contractor. District staff disinfected

Spill was contained within the dirt roadside of McVicar Street. Spill volume liquid was captured and returned to the sewer
Spill seeped from manhole (5 gallons) and ran down gutter to storm drain culvert. Spill was contained, captured and disposed
Spill was contained, captured and returned to the sewer.
The small amount of sewage spilled was collected by the plumber and disposed of.
On paved surface of a park area.
Spill percolated into soft soil in field. The District crews during the clean up phase removed any debris and scheduled soil to be
Spill volume was contained within the easement, was captured and returned to the sewer collection system.

Temescal Creek

The combination of river water, sewage and rain infiltration flowed into Lake Elsinore.

Sewage was contained and vacuumed up utilizing the District's combination unit and returned to the sewer system.

Very minor spill of 5 gallons, street was wet or damp

Gunderson Pond Wetlands area

Gunderson Pond wetlands area

The spill destination was two fold. 52,825 gallons entered the surface water and 15,000 gallons entered a field.

Spill exited the storm drain at the bottom of a valley behind the housing development. the area is overgrown with native shrubs
Spill stayed in the storm drain catch basin
Spill reached the gutter but did not run down the gutter.
vacant field

On site in a low dirt area.

Customer yard

Retention basin adjacent to Golf Course fairway.

San Diego Creek

Vacuumed and returned to the sewer

Spill was contained storm water channel protected by sand bags

Returned to sewer

Returned to sewer

Returned to sewer

Street gutter

Storm water catch basin

Heavy rains in area, Santa Ana River at flood stage. River flow in excess of 8,000 feet cube per second

Returned overflow to sewer

Earthen Dam down stream of storm outlet captured all of spill. Spill was then returned to the sewer with portable pumps.

All recovered

Returned all of spill to the sewer

1/16/2008 11:00	1/16/2008 11:10	1/16/2008 11:30	1/16/2008 11:35
1/17/2008 10:30	1/17/2008 10:40	1/17/2008 11:00	1/17/2008 11:05
2/24/2008 16:08	2/25/2008 8:15	2/25/2008 8:20	2/25/2008 8:30
7/9/2007 16:45	7/9/2007 17:00	7/9/2007 17:00	7/9/2007 17:15
7/29/2007 10:29	7/29/2007 10:44	7/29/2007 11:15	7/29/2007 11:42
7/30/2008 6:14	7/30/2008 6:30	7/30/2008 7:10	7/30/2008 7:25
8/10/2008 10:30	8/10/2008 10:35	8/10/2008 11:15	8/10/2008 11:15
12/4/2008 9:50	12/4/2008 9:55	12/4/2008 10:10	12/4/2008 10:30
1/12/2009 11:28	1/12/2009 11:30	1/12/2009 12:01	1/12/2009 12:01
1/29/2009 8:20	1/29/2009 8:20	1/29/2009 8:45	1/29/2009 13:15
7/26/2009 12:15	7/26/2009 12:20	7/26/2009 12:21	7/26/2009 12:45
9/25/2009 14:00	9/25/2009 14:00	9/25/2009 14:30	9/26/2009 13:30
11/17/2009 11:30	11/17/2009 11:30	11/17/2009 11:30	11/17/2009 11:30
12/8/2009 13:02	12/8/2009 13:02	12/8/2009 13:07	12/8/2009 13:15
12/24/2009 9:45	12/24/2009 9:45	12/24/2009 11:20	12/24/2009 11:45
1/21/2010 0:00	1/21/2010 12:15	1/21/2010 12:15	1/21/2010 2:30
2/11/2010 1:30	2/11/2010 1:30	2/11/2010 1:39	2/11/2010 2:20
2/17/2010 8:25	2/17/2010 8:25	2/17/2010 8:45	2/17/2010 9:10
3/10/2010 13:15	3/10/2010 13:15	3/10/2010 13:20	3/10/2010 13:20
4/19/2010 21:45	4/19/2010 21:45	4/19/2010 22:00	4/19/2010 23:00
7/11/2010 13:45	7/11/2010 13:45	7/11/2010 14:00	7/11/2010 15:16
12/21/2010 0:00	12/21/2010 2:30	12/21/2010 2:30	12/21/2010 13:30
12/21/2010 0:00	12/21/2010 10:30	12/21/2010 10:30	12/21/2010 12:42
12/21/2010 0:00	12/21/2010 17:00	12/21/2010 17:00	12/23/2010 0:05
12/22/2010 0:00	12/22/2010 9:30	12/22/2010 9:30	12/22/2010 12:00
8/10/2011 9:20	8/10/2011 9:23	8/10/2011 9:40	8/10/2011 9:40
9/20/2011 7:00	9/20/2011 7:30	9/20/2011 7:40	9/20/2011 8:03
1/7/2012 11:30	1/7/2012 11:58	1/7/2012 12:15	1/7/2012 12:15
3/15/2012 9:50	3/16/2012 9:00	3/16/2012 10:00	3/16/2012 10:20
6/17/2012 0:00	6/17/2012 8:00	6/17/2012 8:30	6/17/2012 8:34
6/19/2012 7:20	6/19/2012 7:34	6/19/2012 7:50	6/19/2012 8:56
7/2/2012 8:34	7/2/2012 8:37	7/2/2012 8:34	7/2/2012 9:35
7/2/2012 11:00	7/2/2012 11:08	7/2/2012 0:00	7/2/2012 0:00
6/15/2013 11:30	6/15/2013 11:35	6/15/2013 11:35	6/15/2013 11:40
4/25/2008 11:00	4/25/2008 11:15	4/25/2008 11:20	4/25/2008 13:00
3/10/2010 12:00	3/10/2010 12:00	3/10/2010 1:00	3/10/2010 2:00
9/23/2007 12:13	9/23/2007 12:30	9/23/2007 13:40	9/23/2007 4:50
10/10/2008 7:00	10/10/2008 7:05	10/10/2008 7:15	10/10/2008 7:30
6/6/2009 12:20	6/6/2009 12:00	6/6/2009 12:29	6/6/2009 1:00
2/7/2007 17:00	2/7/2007 17:00	2/7/2007 17:15	2/7/2007 18:30
3/13/2007 7:00	3/13/2007 8:00	3/13/2007 8:15	3/13/2007 8:20
3/13/2007 7:00	3/13/2007 8:00	3/13/2007 8:15	3/13/2007 8:20
3/3/2007 10:15	3/3/2007 10:30	3/3/2007 10:52	3/3/2007 12:30
6/26/2007 15:40	6/26/2007 16:05	6/26/2007 16:55	6/26/2007 20:00
6/26/2007 9:00	6/26/2007 9:05	6/26/2007 9:15	6/26/2007 10:24
12/29/2007 14:10	12/29/2007 14:25	12/29/2007 14:35	12/29/2007 16:00
3/10/2008 11:00	3/10/2008 11:00	3/10/2008 11:15	3/10/2008 11:30
8/30/2008 9:55	8/30/2008 10:21	8/30/2008 10:45	8/30/2008 11:01
7/11/2009 18:00	7/11/2009 18:15	7/11/2009 19:10	7/11/2009 19:47
1/21/2010 14:30	1/21/2010 14:40	1/21/2010 14:40	1/21/2010 16:00
3/22/2010 10:00	3/22/2010 10:12	3/22/2010 10:22	3/22/2010 10:34
3/31/2010 20:45	3/31/2010 20:45	3/31/2010 21:40	3/31/2010 22:41
1/15/2011 7:30	1/15/2011 7:48	1/15/2011 9:15	1/15/2011 9:30
1/23/2011 12:00	1/23/2011 13:15	1/23/2011 12:20	1/23/2011 12:40
12/8/2011 7:00	12/8/2011 7:30	12/8/2011 7:45	12/8/2011 10:30

Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Debri-General
Other (specify below)
Other (specify below)
Vandalism
Other (specify below)
Other (specify below)
Debri-General
Other (specify below)
Root intrusion
Pump station failure
Grease deposition (FOG)
Rainfall exceeded design (Seperate CS Only)
Root intrusion
Pump station failure
Other (specify below)
Vandalism
Flow exceeded capacity
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Vandalism
Debri-General
Vandalism
Pipe structural problem/failure
Pump station failure
Pump station failure
Root intrusion
Other (specify below)
Debris
Debri-General
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Vandalism
Vandalism
Grease deposition (FOG)
Other (specify below)
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Debri-Rags
Debri-General
Grease deposition (FOG)
Debri-Rags

H&H General Contractor's excavation crews hit force main during the trench excavation for a new sewer main.
Construction Activity - Contractor's crews failed to support the force main during the excavation and it separated at a joint
An airvac device used to release entrapped air from a liftstation failed due to debris releasing the sewage.
By-pass pumping station set up by contractor failed to keep up with District lift station flow.
Rocks and debris (possible construction debris) collecting rags and grease.
Spill came from a force main surge tank access port. On 7/29/2008 the area experienced a 5.8 magnitude earth quake. St
Up stream of the SSO on Odyssey St. the developer's contractor had left rope in manhole which collected rags causing tl

Contractor damaged lateral during installation of new collection line in street.
Abandon force main was leaking at a pipe joint.
Down stream lif station pumps and become blocked with construction debris, plumber's rubber plug and pieces of pvc pip
Lift station force PVC main pipe cracked at a bell end and began to seep sewage during pmping cycles.

A power control fuse blew shutting down the station resulting in the spill
This liftstation receives backwash flows from the District's Backbasin Treatment Facility. During a filter media check exce

Surcharge condition cause by District staff clearing / dewatering spent backwash basin
Strom inflow to collection system overwhelmed the system and it spilled at this location.
The spill was caused by a power outage due to downed power lines.
This was during a strom event which resulted in a large amount of inflow and the station could not keep up with this inflow
Strom event and surcharge of sewer system

rebar was found in the manhole and over time grease and rags gathered on the rebar and caused a blockage.
Sand and rock
Plastic bottles, pine cones and other trash was found in the main, a nearby cleanout had similar debris removed.
an air release line on a sewer force main broke prior to the isolation valve. turned the liftstation off to stopp the flow.
there was an electrical failure in the control section
Control fuse blown not allowing the pumps to start or send high level alarm. A pump failure alarm did activate to notify th

The liftstation only services the Back Basin Water Treatment Plant, the waste discharge valve from the waste tank failed

Asphalt was found in the manhole that caused the blockage.

Plugged Grease Interceptor.
New construction debris left in man hole

House hold grease, no industrial
Heavy rain, fire department opened sanitary sewer man holes to relieve street flooding. Fire department has been advise

Plugged sewer

connection causing the spill.

Other (specify below)
Other (specify below)
Main

Other (specify below)
Main
Main
Other (specify below)
Other (specify below)
Other (specify below)
Main
Main
Main
Other (specify below)
Other (specify below)

Main
Main
Main
Main
Main
Main
Main
Main
Main
Other (specify below)
Other (specify below)
Other (specify below)
Main
Other (specify below)

Upper Lateral

Main

Main
Main
Main

Main
Main
Main
Main
Main
Main
Main
Main
Main

Rocks and debris caused SSO at a manhole

The spill occurred due to a seal failure of a the force main surge tank access port gasket. The suspected cause of the f

spill was caused by District contractor performing main line / lateral nstallation.

Gravity protion of the main line became surcharged and sewage flowed out a manhole causing the SSO

PVC force main pipe cracked

End of line clean out.

Sump pump station failure

Failure occurred in a liftstation control power circuit failure.

There was no failure, the amount of backwash water over whelmed the station.

air release line on the force main

at the down stream liftstation

liftstation.

The liftstation functioned properly, the liftstation recieved more flow than it could pump. The Waste valve failed to close c

ailure was the seismic action

8 PVC

8 PVC

8

10 PVC

6 VCP

36

8 VCP

24

8 VCP

8 VCP

8 VCP

36

6 VCP

8 pvc

8 pvc

6

2 pvc

lue to the actuator torque gei

6 vcp

8 PVC

8 VCP

8

8

8

8

8

8

8 Clay

8 Clay

12 Clay

8

8 Clay

17

25
39

40

42
45
45

50
21
22

5

43

3

30

10

100
50

25

ED 006495 00001080-24984

District staff were notified 2/25/08 at 8:00 AM that a sewer spill was in progress at the stated location. Staff was already in District staff notified the contractor to cease the by-pass operation and resume normal flow through the pipe line. Lift stati

Spill volume cleaned up by plumber.

District Crews evacuated the force main, disinfected the contaminated ground, and plugged the discharge end of the forc

District crews contained a portion of the spill and cleaned up contained water. Staff posted signs around the affected area. After the flow was restored, the area was disinfected and signs posted. Approximately 100 gallons of water was recovered. District crews set up by-pass pumping to relieve the surcharge of the sewer main and stopped the overflow. 2/11/10 - Once District crews were on site they contained the spill, broke the blockage and removed 3000 gallons of mixed. District crews contained the SSO, vacuumed up 1000 gallons of sewer water and clean up wash down water, disinfected 1

A portable emergency generator was connected to the liftstation and the station was brought back on line. Once Edison p

During this surcharge event 10 pumper trucks and a segment of 48" line were used to contain the surcharge. An estimated

traced the storm drain to determine if cleanup was possible. Inspected the surrounding manholes for debris and clean is r

notify school of the lateral missing the cap to prevent debris from falling into or being put into. washed down area of spill. turned the liftstation off to stop the flow until repairs were complete. repairs consisted of the installation of an isolation valve. restored power to the control section and return the liftstation to normal operation.

Replaced the blown fuse. Set up another alarm for control power failure, installed circuit to close upstream valve.

The flow was stopped by manually closing the waste valve, the waste valve actuator torque gear setting was adjusted and

IRWD dispatched a vacuum truck to clean-up the site.

Contained spill, corrected blockage, cleaned spill and returned to sewer, disinfected area. NOV issued 3/7/07. Interceptor pumped on 3/9/07 and restored to proper working order.

Cleaned and disinfected area

Closed all open manhole covers opened by local fire department

Cleaned sewer. Cleaned and disinfected spill area. Returned spill to sewer, flushed storm drain.

Contained all spill behind readily made earthen dam

1/16/2008 15:00
1/17/2008 15:00

7/9/2007 20:00
7/30/2007 16:30
7/31/2008 15:30

7/26/2009 3:00

12/8/2009 13:40

1/22/2010 17:30
2/11/2010 18:00

12/21/2010 14:00
12/21/2010 13:30
12/22/2010 0:30
12/22/2010 14:30

9/20/2011 11:45
1/11/2012 12:30

6/17/2012 12:45
6/19/2012 4:30

6/15/2013 16:30
4/25/2008 17:00

9/23/2007 18:30
10/10/2008 8:00
6/6/2009 2:00

7/14/2009 10:40
1/21/2010 16:00

4/1/2010 15:00

1/23/2011 16:00
12/8/2011 11:00

Repaired sewer
Repaired sewer

Other (specify below)
Adjusted schedule/method of preventive maintenance
Other (specify below)

Other (specify below)

Other (specify below)

Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance

Other (specify below)
Other (specify below)
Other (specify below)
Plan rehabilitation or replacement of sewer

Other (specify below)
Added sewer to preventive maintenance program

Other (specify below)
Other (specify below)

Other (specify below)
Other (specify below)

Other (specify below)
Repaired sewer
Added sewer to preventive maintenance program

Added sewer to preventive maintenance program
Other (specify below)

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Contractor repaired sewer force main to District's standards.

Contractor restored the force main to District's standards. The saturated/contaminated soil was properly disposed of according to local regulations.

As a part of a sewer line expansion project a contractor was tasked with the by-pass of sewage during construction activities. Upon completion of Cleaning, CCTV and upstream manhole inspections, cleaning schedule / frequency will be increased to quarterly. As the suspected cause was to seismic action, the surge tank access port seal was fixed and the surge tank was isolated and repaired.

Corrective Action - installed a portable lift stations until repairs were made. During low flow period recovered and reinstalled.

Preventative measures planned are to install plant drains that will redirect any spill water in this area to a series of biosolids storage tanks.

The District is currently installing a 54" sewer main to eliminate this situation.

As this spill emanated from a sewer main that runs through a ravine, EVMWD staff will video tap this line on a six month program.

Recommended that an land I study be conducted of this sewer shed area to determine the surcharge cause.

Recommended an I and I study be budgeted and conducted within the next budget period.

On 12/22/10 one pump was able to be reset and resume pumping. Second pump needed an electrical component and was replaced. Currently the District is in the process of installing a 54" sewer main slated for completion in April 2011.

inspected surrounding manholes for debris and clean if needed. sealed manholes in the area around manholes with debris. will monitor monthly to determine frequency of cleaning.

Turned the liftstation off until an isolation valve was installed at the force main on 6/18/12. the liftstation returned to normal. replaced the motor starter coil that shorted out, set up alarm notification for control power failure..

repaired waste discharge valve.

Developer responsible for construction debris - required to clean entire run within development and down to mainline.

No action will be taken at this time because main sewer lines in these areas are already jetted on an annual basis.

As an existing BMP, the area is already part of an annual jetting cycle that occurs on November 1. Will discuss possibility of additional measures.

Added pipe section to hot spot list. Check and clean bi monthly.

See above, Fire Dept advised not to open manholes covers to alleviate street flooding in other areas. Unable to contain flow.

No
No

No
No
No

No

No

Yes
No

Yes
No
No
No

No
No

No
No

No
No

No
No
No

No
No

No

No
No

Visual inspection of the affected water body revealed no visible debris. Affected areas of the lake shore were posted with
No impact of receiving waters occurred

No receiving waters were affected.
NA

No impact of receiving water occurred.
N/A - spill volume did not reach any receiving waters
None
Visual inspection of the receiving water way showed no impact to area.

No impact on receiving waters
No residual or debris noticed during the visual inspection of the receiving water
N/A
NA

No visible debris on surface of water
None observed
No visible debris
No debris observed

no waters impacted
none
none
N/A
none

Spill contained in small plunge pool area at SD exit in Golf Course SD holding pond area. Plunge pool separated from po

None

No
No

Yes
No
Yes

Yes

Yes

Yes
Yes

Yes
Yes
Yes
Yes

No
No

Yes
Yes

No
Yes

No
No
No

No
No

No

No
No

NA
NA

NA
NA
NA

NA

NA

NA
NA
N/A

NA - no beaches impacted
NA
none
Shoreline at the mouth of the San Jacinto River and the Lake Elsinore.

none

none
N/A
none, posted area and docks within the posting area.

NA

N/A
NA
NA

N/A

N/A

NA
NA

NA
Lake Elsinore
NA

NA

Temescal Beech

Lake Elsinore
Canyon Lake
N/A

Canyon Lake
Gunderson Pond Wetlands area
Gunderson Pond wetlands area
San Jacinto River and Lake Elsinore
none
none

none
N/A
Canyon Lake
NA
NA
none
NA

Possibly into the San Diego Creek.
San Diego Creek
NA

none

None
None
None

None
Santa Anna River

N/A
None
None
None

No water quality samples taken
No water quality samples taken

Not applicable to this spill
Not applicable to this spill
No water quality samples taken

Not applicable to this spill

Other chemical indicator(s) - specify below

Biological indicator(s) - specify below
Biological indicator(s) - specify below

Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken
Other (specify below)

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Biological indicator(s) - specify below

No water quality samples taken
Not applicable to this spill

No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
Not applicable to this spill

No water quality samples taken

Other chemical indicator(s) - specify below
Not applicable to this spill

NA

Suspendid Soilds and Chemical Oxidation Demand

Bacti type

Samples were taken 2/12/10 along the suspected shore line that was impacted. Samples will be run for e-coli using the co

Bacti Samples

Bacti samples were taken beginning on 12/23/2010 through 12/28/2010. By 12/28/2010 the background leels for E-coli we

N/A

to determine contamination levels and used to remove posting when level returns to back round levels.

Sample taken from adjacent pond to insure no sewage made if from plunge pool to pond.

None

No water quality samples taken
No water quality samples taken

Not applicable to this spill
None of the above
No water quality samples taken

Not applicable to this spill

None of the above

County Health Agency;Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board
None of the above
None of the above
County Health Agency;Regional Water Quality Control Board

None of the above
None of the above

None of the above
County Health Agency;Regional Water Quality Control Board

None of the above
County Health Agency

No water quality samples taken
None of the above
No water quality samples taken

Regional Water Quality Control Board;None of the above
None of the above

Not applicable to this spill

None of the above
None of the above

Once the results are in they will be reported to the Riverside County Health Department.

N/A

80511	1/17/2008 9:00
8541	1/18/2008 10:00
81585	2/25/2008 14:20
74121	7/9/2007 18:30
74543	7/29/2007 13:45
85533	7/30/2008 8:30
84800	8/11/2008 12:30

95243	7/26/2009 2:40
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98194	12/8/2009 14:45
-------	-----------------

100550	1/21/2010 4:30
101101	2/11/2010 16:35

107735	12/21/2010 5:45
107720	12/21/2010 15:30
107736	12/22/2010 5:30
107791	12/23/2010 16:00

115585	9/20/2011 10:25
120181	1/11/2012 10:00

123531	6/17/2012 14:10
123566	6/19/2012 10:24

133644	6/15/2013 13:05
83043	4/25/2008 14:00

94182	6/6/2009 1:30
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94954	7/12/2009 11:30
100537	1/21/2010 14:20

102120	3/31/2010 22:45
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110448	1/23/2011 12:50
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8SSO10636	Active	779841 Mike Itnyre	Certified
8SSO10637	Active	645578 John Gallegos	Certified
8SSO10637	Active	649830 John Gallegos	Certified
8SSO10637	Active	733474 Greg Snyder	Certified
8SSO10637	Active	736852 Greg Snyder	Certified
8SSO10637	Active	737209 Greg Snyder	Certified
8SSO10637	Active	752479 Steve Schultz	Certified
8SSO10637	Active	792340 Greg Snyder	Certified
8SSO10640	Active	645623 Nick J. Arhontes	Certified
8SSO10640	Active	655885 William Cassidy	Certified
8SSO10640	Active	707136 William Cassidy	Certified
8SSO10640	Active	707137 William Cassidy	Certified
8SSO10640	Active	710263 William Cassidy	Certified
8SSO10640	Active	710398 Charles F. Winsor	Certified
8SSO10640	Active	726772 Charles F. Winsor	Certified
8SSO10640	Active	727066 William Cassidy	Certified
8SSO10640	Active	727404 William Cassidy	Certified
8SSO10640	Active	728073 Charles F. Winsor	Certified
8SSO10640	Active	729033 William Cassidy	Certified
8SSO10640	Active	730120 William Cassidy	Certified
8SSO10640	Active	732104 Charles F. winsor	Certified
8SSO10640	Active	734556 Charles F. Winsor	Certified
8SSO10640	Active	744299 William Cassidy	Certified
8SSO10640	Active	745688 William Cassidy	Certified
8SSO10640	Active	745712 William Cassidy	Certified
8SSO10640	Active	746708 Charles F. Winsor	Certified
8SSO10640	Active	748968 Charles F. Winsor	Certified
8SSO10640	Active	751948 Simon Watson	Certified
8SSO10640	Active	753633 Simon L Watson	Certified
8SSO10640	Active	754814 Simon L Watson	Certified
8SSO10640	Active	757858 William Cassidy	Certified
8SSO10640	Active	765207 William Cassidy	Certified
8SSO10640	Active	767119 William Cassidy	Certified
8SSO10640	Active	767399 William Cassidy	Certified
8SSO10640	Active	772043 William Cassidy	Certified
8SSO10640	Active	776550 William Cassidy	Certified
8SSO10640	Active	777743 William Cassidy	Certified
8SSO10640	Active	779293 William Cassidy	Certified
8SSO10640	Active	785564 William Cassidy	Certified
8SSO10640	Active	785577 William Cassidy	Certified
8SSO10640	Active	785847 William Cassidy	Certified
8SSO10640	Active	797060 john gonzalez	Certified
8SSO10641	Active	648603	Work In Progress
8SSO10641	Active	650114	Work In Progress
8SSO10641	Active	655945	Work In Progress
8SSO10641	Active	708086 Mike Payne	Certified
8SSO10641	Active	708199	Work In Progress
8SSO10641	Active	708257	Work In Progress
8SSO10641	Active	710758	Work In Progress
8SSO10641	Active	716036	Work In Progress
8SSO10641	Active	717376	Work In Progress
8SSO10641	Active	717827	Work In Progress
8SSO10641	Active	719295 Mike Payne	Certified
8SSO10641	Active	728839 Ken Mendum	Certified
8SSO10641	Active	728842 mpayne	Certified

Colton	572964
WMWD Operations Center	822718
Western Municipal Water District	311661
10:41am	732135
8:52am	172555
10:43am	502187
11:01am	788144
Riverside	431110
Fountain Valley, CA	710445
OCSD	762670
Pt 2, OCSD	208719
Pt 2, OCSD	633698
Pt 2, OCSD	918367
Huntington Beach, CA	652798
Huntington Beach, CA	911579
Pt 2, OCSD	985949
Pt2, OCSD	104392
Huntington Beach, CA	372689
Pt 2, OCSD	569430
Pt 2, OCSD	374305
Huntington Beach, CA	179470
Huntington Beach, CA	143980
Pt 2, OCSD	511195
Plant 2, OCSD	511342
Pt 2, OCSD	431967
Huntington Beach, CA	314732
Fountain Valley, CA	386255
Fountain Valley Ca	786253
Fountain Valley, CA	446807
Fountain Valley, Ca	327318
Pt2, OCSD	118703
OCSD	790910
OCSD	228735
OCSD	145931
Orange County Sanitation District offices	165475
OCSD	328786
OCSD 2:10 pm	907148
9:45 am; OCSD	631224
OCSD Plant 2	491118
OCSD Plant 2	592868
10:45 am OCSD Plant 2	746693
huntington beach	999500

Yorba Linda, CA	878657
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YLWD	523426
YLWD	728927
913 S. Richfield Rd	374964

10-Apr-12	4/10/2012	16-Apr-12	4/16/2012
16-Jan-07		17-Jan-07	1/17/2007
25-Apr-07		25-Apr-07	4/25/2007
11-Feb-09		3-Dec-10	12/3/2010
27-Apr-09		3-Dec-10	12/3/2010
7-May-09		3-Dec-10	12/3/2010
17-May-10	5/17/2010	17-May-10	5/17/2010
4-Mar-13	3/4/2013	4-Mar-13	3/4/2013
16-Jan-07		28-Feb-07	2/28/2007
15-Aug-07		27-Aug-07	1/19/2011
3-Nov-07		8-Nov-07	1/19/2011
3-Nov-07		8-Nov-07	1/19/2011
24-Dec-07		8-Jan-08	1/19/2011
26-Dec-07		8-Jan-08	1/8/2008
23-Sep-08		2-Oct-08	10/2/2008
29-Sep-08		6-Oct-08	1/19/2011
6-Oct-08		16-Oct-08	1/19/2011
19-Oct-08		29-Oct-08	10/29/2008
6-Nov-08		19-Nov-08	1/19/2011
2-Dec-08		11-Dec-08	1/19/2011
16-Jan-09		28-Jan-09	1/28/2009
4-Mar-09		9-Mar-09	3/9/2009
4-Sep-09		16-Sep-09	1/19/2011
17-Oct-09		27-Oct-09	1/19/2011
18-Oct-09		27-Oct-09	1/19/2011
12-Nov-09		24-Nov-09	11/24/2009
30-Jan-10		9-Feb-10	2/9/2010
26-Apr-10		4-May-10	5/4/2010
19-Jun-10	6/22/2010	24-Jun-10	6/24/2010
13-Jul-10	7/26/2010	28-Jul-10	7/28/2010
17-Oct-10	10/18/2010	27-Oct-10	1/19/2011
6-Apr-11	4/7/2011	13-Apr-11	4/13/2011
2-Jun-11	6/2/2011	14-Jun-11	6/14/2011
11-Jun-11	6/13/2011	23-Jun-11	6/23/2011
14-Oct-11	10/17/2011	10-Nov-11	11/10/2011
28-Jan-12	1/28/2012	22-Feb-12	2/22/2012
17-Feb-12	3/1/2012	1-Mar-12	3/1/2012
30-Mar-12	4/11/2012	12-Apr-12	4/12/2012
25-Aug-12	8/28/2012	6-Sep-12	10/3/2012
27-Aug-12	8/28/2012	6-Sep-12	10/3/2012
3-Sep-12	9/4/2012	17-Sep-12	9/17/2012
20-Jul-13	7/23/2013	30-Jul-13	7/30/2013
29-Mar-07		29-Mar-07	
3-May-07		7-May-07	
17-Aug-07		17-Aug-07	
26-Nov-07		26-Nov-07	11/26/2007
27-Nov-07		8-Dec-10	
28-Nov-07		28-Nov-07	
7-Jan-08		7-Jan-08	
10-Apr-08		10-Apr-08	
14-May-08		14-May-08	
22-May-08		27-May-08	
10-Jun-08		11-Jun-08	6/11/2008
3-Nov-08		8-Dec-10	12/8/2010
3-Nov-08		3-Nov-08	11/3/2008

Category 2	75000	0
Category 1	1200	0
Category 3	750	100
Category 1	5122	3841
Category 1	850	200
Category 3	100	10
Category 1	50	0
Category 3	40	40
Category 3	40	
Category 3	71	71
Category 1	814	211
Category 1	256	128
Category 1	40	0
Category 3	37	37
Category 3	20	20
Category 2	1956	700
Category 1	70	33
Category 3	10	0
Category 1	142	71
Category 3	20	0
Category 3	68	68
Category 3	94	0
Category 1	703	328
Category 3	8	0
Category 1	3502	709
Category 3	102	0
Category 3	19	0
Category 2	2446	200
Category 2	1581	85
Category 3	20	20
Category 1	130	85
Category 3	17	17
Category 3	87	56
Category 1	900	0
Category 3	140	140
Category 3	4	0
Category 3	10	0
Category 2	1410	0
Category 1	2198	0
Category 1	3488	0
Category 1	73	70
Category 1	105	0
Category 1	900	700
Category 1	2250	0
Category 1	160	90
Category 2	1200	0
Category 1	1000	0
Category 1	1000	0
Category 1	31	20
Category 1	1558	800
Category 1	440	200
Category 1	60	0
Category 2	1188	1188
Category 3	25	0
Category 3	25	0

0 No	Yes
1200 Yes	Yes
No	No
1280 No	No
650 No	Yes
0 No	No
50 Yes	Yes
0 No	No
No	No
0 No	No
603 Yes	Yes
128 Yes	Yes
40 Yes	Yes
No	No
0 No	No
0 No	No
37 Yes	Yes
0 No	No
71 Yes	Yes
0 No	No
0 No	No
0 No	No
375 Yes	Yes
0 No	Yes
2793 Yes	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
38 No	Yes
0 No	Yes
0 No	Yes
900 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
2198 Yes	Yes
3488 Yes	Yes
3 No	Yes
38 Yes	Yes
200 Yes	Yes
2250 Yes	Yes
70 Yes	Yes
0 No	No
1000 Yes	No
1000 Yes	No
11 Yes	Yes
758 Yes	Yes
240 Yes	Yes
60 Yes	Yes
0 No	No
0 No	No
0 No	No

Yes
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe

Rancho & Agua Mansa
Magnolia/Washington Murrieta California
March Air Reserve Base
South of the March Air Museum
Dauchy Lift Station and Ardenwood Lane
March Air Reserve Base
Buchanan Truck Dump Station
Gamble
Cowan Hts. Dist 7.
Crystal Cove Pump Station
19671 Country Haven
Newport Ave
12382 Circula Panorama
10282 Deerhill Dr.
1472 Service Road
Carbon Canyon Pump Station
1302 Service Road
Barrett Ln-Unincorporated Area 7
Dorsetshire Lane Dist 7 Tustin
TUSTIN area - UNINCORPORATED DISTRICT 7
1912 Park Skyline Road
Carbon Canyon Pump Station
11081 Coronel Rd
12992 Azusa Circle
6th Street
1672 Sirrine Dr Unincorporated Cowan Heights
Skyline Dr and Park Skyline Rd
Old Foothill Blvd
Fairhaven Ext and Fowler Ave
12371 Alexander
Parks Tustin Condo Complex
Manhole at 2281 Pavillion Dr
Bolsa Ave between Magnolia and Bushard
Manhole in intersection of Magnolia and Hazard
Rocky Point Pump Station
12382 Circula Panorama
Manhole cover
Bitter Point Pump Station
Intersection of 32nd St and Newport Blvd
38th Street and River Avenue
Unincorporated County of Orange
Fowler Ave and Fairhaven at Cowan Heights
Lakeview Ave
1830 N. Kellogg Drive
6491 & 6501 Fairlynn
6022 Ridge Way
1884 Cymbal place, Anaheim, Ca.
1884 Cymbal Place, Anaheim, Ca.
Via Geraldina
Imperial Highway
Sunny Slope
Sunny Slope
Bastanchury
Shamrock
Shamrock

34.054722	-117.347778 San Bernardino
33.567125	117.228806 Riverside
33.881311	117.244303 Riverside
33.873042	117.263717 Riverside
35.885019	117.33843 Riverside
33.885689	-117.245681 Riverside
33.89169	-117.49947 Riverside
33.88088	-117.35309 Riverside
33.772222	117.774167 Orange
33.504522	-117.746036 Orange
33.777411	-117.789633 Orange
33.773286	-117.789425 Orange
33.784086	-117.798636 Orange
33.7753	117.774447 Orange
33.723981	117.827667 Orange
33.922725	-117.839419 Orange
33.725142	-117.828925 Orange
33.771311	117.797106 Orange
33.770408	-117.789542 Orange
33.776183	-117.778883 Orange
33.755214	117.785228 Orange
33.922739	-117.839439 Orange
33.76713	-117.78453 Orange
33.77315	-117.79869 Orange
33.73985	-117.83043 Orange
33.77535	-117.76938 Orange
33.75459	-117.78388 Orange
33.77311	-117.80096 Orange
33.77749	-117.79804 Orange
33.78379	-117.79721 Orange
33.75721	-117.82858 Orange
33.7492	-117.7815 Orange
33.74477	-117.97216 Orange
33.75212	-117.9724 Orange
33.61717	-117.91795 Orange
33.78371	-117.79763 Orange
33.75291	-117.78531 Orange
33.62531	-117.94608 Orange
33.61599	-117.93042 Orange
33.61823	-117.93438 Orange
33.784106	-117.802481 Orange
33.77757	-117.79841 Orange
33.891003	-117.811331 Orange
33.869683	-117.803989 Orange
33.867494	-117.789367 Orange
33.873853	117.807836 Orange
33.871361	-117.806483 Orange
33.871361	-117.80648 Orange
33.885297	-117.782117 Orange
33.892361	-117.818381 Orange
33.875519	-117.802606 Orange
33.875519	-117.802606 Orange
33.900433	117.823583 Orange
33.878706	117.8023 Orange
33.878706	117.8023 Orange

manhole # 117

Force main in empty field

Between March Air Museum and Nandina Avenue, East of 215 fwy in vacant lot owned by the March JPA.

March Air Reserve Base South of lift station 1269 next to building 1280

Out of service Truck Dump station located at the corner of Buchanan and Sampson next to the flood control channel

In paved street area

spill less than 50 gallons from manhole.

OCSD Crystal Cove Sewage Pump Station.

Residential area and manhole in street

Manhole in street

sewage coming out of manhole

spill in street all vactored up by OCSD truck. NO storm drain impact.

OCSD Manhole

Inside Carbon Canyon Regional Park

Manhole in easement next to house

Water coming out of manhole

WATER COMING OUT OF MANHOLE AT THE INTERSECTION OF NEWPORT BLVD. AND GREENBRIAR ROAD

Private property owner's bathtub-shower

Intersection of Coronel Rd and Addison Unincorporated Orange County near Tustin

manhole in residential area

Manhole

Coming out of a manhole at 1672 Sirrine Dr

Skyline Dr and Park Skyline Rd

Manhole in street

Condo complex

manhole

Manhole in intersection

South bound lanes to north bound lanes and gutter

Approx. 4.4 gallons of sewage seeping out of a manhole in the middle of the street.

manhole cover on street

Pump Station

Multiple manholes. 38th street and 32nd street

Multiple manholes. 38th Street and 32nd Street

Manhole in intersection of Fowler Ave and Fairhaven Ext

4 lane street near high school. Spill occured at the intersection near storm drain entrance, flowing out of Manhole 228-05

Paved Residential Street

8 sewer line overflow from MH-180-05 next to vacant Lot.

Manhole at Northeast corner of Imperial Highway and Garden Place

Empty Lot

Private driveway at listed address

Private driveway at listed address

Gravity sewer
Manhole
Force main or pressure sewer
Force main or pressure sewer
Manhole
Force main or pressure sewer
Gravity sewer
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Force main or pressure sewer
Manhole
Manhole
Manhole
Manhole
Building or structure
Force main or pressure sewer
Manhole
Manhole
Manhole
Manhole;Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Force main or pressure sewer
Manhole
Manhole
Force main or pressure sewer
Manhole
Manhole
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole

Man Hole Over Flowing

Manhole not spilling but has a wet spot around manhole and curb.

MH#228-05

MH #110-08

Separate storm drain
Storm drain
Unpaved surface
Unpaved surface
Street/curb and gutter
Unpaved surface
Storm drain
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Separate storm drain
Separate storm drain
Separate storm drain;Street/curb and gutter;Unpaved surface
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Separate storm drain
Unpaved surface
Separate storm drain
Street/curb and gutter
Building or structure
Unpaved surface
Separate storm drain
Separate storm drain
Separate storm drain;Surface water
Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Separate storm drain;Unpaved surface
Separate storm drain;Street/curb and gutter
Separate storm drain
Separate storm drain;Street/curb and gutter
Separate storm drain
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Surface water;Other (specify below)
Surface water;Other (specify below)
Separate storm drain;Street/curb and gutter
Separate storm drain;Unpaved surface;Other (specify below)
Separate storm drain
Separate storm drain
Separate storm drain
Unpaved surface
Separate storm drain;Unpaved surface
Separate storm drain
Separate storm drain
Separate storm drain
Separate storm drain
Separate storm drain
Unpaved surface
Other (specify below)
Other (specify below)

Open Channel Storm way

All spill volume was recovered and returned to sewer system at pump station.

Spill contained to unpaved pit area within a surrounding dirt road area under construction for a new sewer by OCSD contractor. Most of the spill was vacuumed up, however some of the spill stayed in the storm drain.

Final spill destination was inside the private property owner's bathtub-shower which in turn was inside the private property. Spill soaked in ground at dirt trench where contractor was working and hit the spare force main. Soil was removed to appropriate catch basin.

33rd St. Channel between 32nd St and 38th St
33rd St. Channel between 32nd St and 38th St

Native soil

Flood channel E04 at Atwood Channel.
EO1501

Spill contained in a hole in empty lot. Vacuumed up area and returned sewage into manhole.
Spill seeped into asphalt driveway.
Spill seeped into asphalt driveway

4/9/2012 21:45	4/9/2012 21:45	4/9/2012 22:15	4/10/2012 0:15
1/15/2007 11:30	1/15/2007 12:25	1/15/2007 12:36	1/15/2007 13:10
4/23/2007 8:00	4/23/2007 14:00	4/23/2007 13:30	4/23/2007 19:00
2/10/2009 7:10	2/10/2009 8:00	2/10/2009 8:20	2/10/2009 13:50
4/24/2009 10:30	4/24/2009 11:15	4/24/2009 11:15	4/24/2009 11:15
5/5/2009 12:50	5/5/2009 12:50	5/5/2009 12:50	5/7/2009 12:50
5/6/2010 8:30	5/6/2010 9:00	5/6/2010 9:00	5/6/2010 5:00
1/15/2013 13:29	1/15/2013 13:29	1/15/2013 13:45	1/15/2013 14:15
1/16/2007 7:50	1/16/2007 7:50	1/16/2007 8:30	1/16/2007 8:45
8/15/2007 11:59	8/15/2007 12:45	8/15/2007 12:45	8/15/2007 12:46
11/3/2007 7:00	11/3/2007 8:00	11/3/2007 8:30	11/3/2007 9:15
11/3/2007 9:30	11/3/2007 9:30	11/3/2007 9:40	11/3/2007 10:00
12/24/2007 17:00	12/24/2007 17:00	12/24/2007 17:30	12/24/2007 18:22
12/26/2007 12:00	12/26/2007 12:00	12/26/2007 12:45	12/26/2007 13:15
9/23/2008 11:30	9/23/2008 11:30	9/23/2008 12:15	9/23/2008 11:50
9/29/2008 12:30	9/29/2008 13:20	9/29/2008 13:50	9/29/2008 14:00
10/6/2008 9:00	10/6/2008 9:50	10/6/2008 10:00	10/6/2008 10:10
10/18/2008 18:00	10/19/2008 9:30	10/19/2008 10:00	10/19/2008 6:00
11/6/2008 10:10	11/6/2008 10:10	11/6/2008 10:30	11/6/2008 11:00
12/2/2008 12:35	12/2/2008 12:35	12/2/2008 13:25	12/2/2008 13:40
1/16/2009 12:00	1/16/2009 16:20	1/16/2009 16:40	1/16/2009 19:00
2/27/2009 7:30	2/27/2009 8:00	2/27/2009 8:30	2/27/2009 10:00
9/4/2009 7:51	9/4/2009 7:51	9/4/2009 8:30	9/4/2009 9:32
10/17/2009 10:00	10/17/2009 10:00	10/17/2009 10:30	10/17/2009 11:36
10/18/2009 12:00	10/18/2009 16:00	10/18/2009 16:30	10/18/2009 18:00
11/12/2009 8:10	11/12/2009 8:10	11/12/2009 8:45	11/12/2009 10:15
1/30/2010 9:45	1/30/2010 9:45	1/30/2010 10:15	1/30/2010 11:50
4/26/2010 9:50	4/26/2010 9:50	4/26/2010 10:25	4/26/2010 10:35
6/19/2010 7:40	6/19/2010 7:40	6/19/2010 8:45	6/19/2010 9:35
7/13/2010 8:50	7/13/2010 8:50	7/13/2010 9:30	7/13/2010 1:00
10/17/2010 14:40	10/17/2010 14:45	10/17/2010 15:30	10/17/2010 17:45
4/6/2011 10:34	4/6/2011 10:34	4/6/2011 10:55	4/6/2011 10:58
6/2/2011 11:30	6/2/2011 10:19	6/2/2011 11:10	6/2/2011 11:40
6/10/2011 22:20	6/11/2011 1:00	6/11/2011 9:00	6/10/2011 23:00
10/14/2011 10:50	10/14/2011 10:50	10/14/2011 10:50	10/14/2011 10:52
1/28/2012 12:00	1/28/2012 12:00	1/28/2012 12:30	1/28/2012 15:45
2/17/2012 12:50	2/17/2012 13:04	2/17/2012 13:35	2/17/2012 13:15
3/30/2012 8:51	3/30/2012 9:31	3/30/2012 11:20	3/30/2012 10:42
8/25/2012 13:20	8/25/2012 15:42	8/25/2012 16:00	8/25/2012 16:15
8/25/2012 12:30	8/25/2012 15:42	8/25/2012 16:00	8/25/2012 16:15
9/3/2012 21:00	9/3/2012 21:10	9/3/2012 21:25	9/3/2012 23:08
7/19/2013 19:25	7/19/2013 19:30	7/19/2013 20:30	7/19/2013 22:55
3/28/2007 7:30	3/28/2007 7:30	3/28/2007 7:40	3/28/2007 8:00
5/3/2007 10:30	5/3/2007 10:30	5/3/2007 11:00	5/3/2007 10:45
8/16/2007 9:00	8/16/2007 9:12	8/16/2007 9:28	8/16/2007 9:45
11/23/2007 14:35	11/23/2007 14:35	11/23/2007 14:55	11/23/2007 18:35
11/23/2007 17:22	11/23/2007 17:22	11/23/2007 17:30	11/23/2007 20:30
11/23/2007 17:22	11/23/2007 17:22	11/23/2007 17:30	11/23/2007 20:30
12/28/2007 17:30	12/28/2007 20:00	12/28/2007 17:40	12/28/2007 18:40
4/7/2008 18:10	4/7/2008 18:10	4/7/2008 18:20	4/7/2008 19:05
5/13/2008 9:50	5/13/2008 9:50	5/13/2008 10:10	5/13/2008 12:10
5/18/2008 12:00	5/18/2008 12:05	5/18/2008 12:30	5/18/2008 14:15
6/10/2008 9:15	6/10/2008 9:15	6/10/2008 9:30	6/10/2008 10:15
11/1/2008 17:00	11/1/2008 17:00	11/1/2008 17:08	11/1/2008 17:58
11/1/2008 17:00	11/1/2008 17:00	11/1/2008 17:08	11/1/2008 17:58

Debris-General
Grease deposition (FOG)
Pipe structural problem/failure
Other (specify below)
Pump station failure
Pipe structural problem/failure
Pipe structural problem/failure
Debris-General
Root intrusion
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Root intrusion
Debris
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Other (specify below)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Other (specify below)
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Other (specify below)
Debris-Rags
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Pump station failure
Pump station failure
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Other (specify below)
Root intrusion
Debris
Vandalism
Vandalism
Debris-General
Debris-General
Debris-General
Debris-General
Vandalism
Root intrusion
Root intrusion

Contractor provided inadequate bracing during construction.

End plug of a capped pipe came un-done

Spill occurred while cleaning wetwell because influent sewer shutoff gate to pump station wetwell was closed without prop

Spill due to roots growing into the OCSD local sewer.

Plumbers working on bathroom facility in area.

Contractor working for OCSD to install a new gravity sewer caused force main line break by hitting the top of the force m

Roots were in main line and not pushed in from the house connection lateral

Roots and debris

Contractor working at pump station drove a 315B CAT Excavator over the 4-inch force main causing a shear crack on the

calcium build up on rags within the 8 inch VCP line

Roots were also seen.

Unknown

Contstruction by-pass plug

Rags plugged the flow through diversion.

Pressure testing on new force main. Failure of force main coupling during pressure test.

Air relief valve; ball valves (2) open

Intermittent seepage.

A broken 6 inch irrigation water line. The water from the 6 inch line flooded into the trench and flowed into the 10 inch sev

Pine needles caused blockage that lead to grease getting trapped in line.

Main

Other (specify below)

Other (specify below)

Main

Main

Main

Main

Main

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Main

Main

Other (specify below)

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Main

Other (specify below)

Main

Main

Force main

Riser pipe at the facility

Top portion of the Asbestos-Cement Pipe (ACP) sewer force main was broken by the contractor during excavation operat

Private Property clean out

Concrete around manhole broken by tractor and pushed into flow line.

ions causing the sewage spil

21 CP
8 clay
10
10

10

8 VCP
12 DIP
8 VCP
8 VCP
8 VCP
8 VCP
8 PVC
4 ACP
8 VCP
8 VCP
8 VCP
8 VCP
8 VCP
4 Asbestos-Cement Pipe (ACP)
8 VCP
8 VCP
8 VCP
8 VCP
8 VCP
8 VCP
8 vcp
8 VCP
8 vcp
24 vcp
48
22 HDPE
8 VCP
8 VCP

VCP
VCP
8 VCP
8 VCP

10 Clay
8 VCP
8

10 VCP
6 VCP
6 VCP
8 na
6
6

22
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1966
15
35
35

1968

1974

44

45
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47
41
47

1964
29
38
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1968

50
1962
2
70
70
1964

43
29

44
19
19

Contained all spilled amount and returned at least 90% back to sewer collection system.

Sewage dried up on the street/curb and gutter. OCSD crew tv'd line and pulled out 1.5 buckets of roots.

Wash down and clean-up by OCSD crew. OCSD set-up containment and vactored up spill and returned to sewer system. OCSD ran line in street and all is ok, Final clean-up was finished at 1410pm.

Roots were cut on main line segment on Oct 20, 2008. Will be Vapor rooted at a later date.

Jet line segment going uphill from manhole SUN0430-0435. May still have minor root in it. Also confined space clean to

Arrived onsite at 08:30 and drove around the area to assess situation. Set containment however, there were four 30-foot
Arrived on site, set up traffic control, containment and notified Control to call secondary Ernie Savedra & David Andrade
Arrived and set up containment & notified Control that an OCSD manhole was overflowing & requested additional assistance

Relieved stoppage and started clean-up; wash-down and vaccuming up. Ran line segment again and one more down-str
Crew arrived on-site and found line surcharging. Upon further investigation; surcharging was caused by construction on 11
Contractor notified OCSD of SSO on June 11, 2011 at 1:00am. However, they dialed the wrong number and left a mess
Coupling failed during pressure testing of a new connection to an existing force main. Water/wastewater shot into the air.
Set containment at gutter. Took pictures. Called Control Center for vactor truck to be dispatched. Vactor was set up at the
Arrived on site and set up spill containment. There was no flowing sewage when I arrived, just a wet spot but there was even
Conferred with Bill Gilbert and others, closed both ball valves to stop flow. Opened main valve under ARV only and air is
Manned pump station until automatic control was restored
Manned pump station until automatic control was restored
Fire Dept set containment of dirt. Ocsd crew put down rubber mat and called for back-up help. Located where sewer needed
Upon arrival, found intermittent sewage bubbling out of the 24-inch manhole cover pry holes. Set containment, inspected

4/10/2012 12:00
1/15/2007 15:15

2/10/2009 0:00
4/24/2009 11:15

5/6/2010 2:00

11/3/2007 11:15
11/3/2007 11:15
12/24/2007 19:20

9/29/2008 17:00
10/6/2008 14:00

11/6/2008 14:00

9/4/2009 11:20
10/17/2009 15:04
10/18/2009 20:00

1/30/2010 13:10
4/26/2010 15:30
6/19/2010 11:58

10/17/2010 18:45
4/6/2011 12:20
6/2/2011 12:20
6/11/2011 5:30

3/30/2012 15:10
8/25/2012 23:10
8/25/2012 23:10
9/4/2012 0:30
7/20/2013 0:10
3/28/2007 8:00
5/3/2007 13:30
8/16/2007 10:00
11/23/2007 18:35
11/24/2007 9:45
11/24/2007 9:45
12/31/2007 9:30
4/7/2008 21:30
5/13/2008 2:00
5/18/2008 14:15
6/10/2008 14:20

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Other (specify below)

Repaired sewer
Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)
Other (specify below)
Added sewer to preventive maintenance program;Other (specify below)

Repaired sewer
Other (specify below)

Other (specify below)

Other (specify below)
Other (specify below)
Other (specify below)

Other (specify below)
Other (specify below)
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Other (specify below)
Adjusted schedule/method of preventive maintenance
Other (specify below)
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance;Other (specify below)
Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance
Other (specify below)

Will review preventative maintenance activities

Provide redundancy to WWRF computer monitoring system

FOG outreach to residences and run the line segments in the area to make sure the line is free of anymore grease.
FOG residential outreach. Run the line segments in the area to make sure the line is free of anymore grease.
CCTV - Put on trouble spot list.

CCTV line segments all the way to Redhill Ave. Also may want to vapor root those line segments. CCTV completed on
CCTV line segment and check for roots or offset joints

Root cut entire area.
CCTV and flush line segment downstream
FOG reactive notification to surrounding spill area. See FOG attachment.

Perform closed circuit television. Cleaned sewer lines and removed roots. FOG outreach implemented to surrounding h
OCSD cleaned the sewer line all the way to Newport boulevard where it merges with a larger size line. CCTV showed no
Line cleaning, root cut, and CCTV line segments.

CCTV and root removal
Use pole camera to see if there are any more obstructions. Sent out FOG outreach education materials.
None
Revision to Spill Prevention and Countermeasure Control Plan. Retraining of SPCC to all Kiewit staff and importance of t

Check other air vac valves.
Refer to Sequence of Events for Lido Pump Station Failure attachment.
Refer to Sequence of Events for Lido Pump Station Failure attachment.
None taken.
A CCTV inspection of the line was done. Root cutting of this pipe segment as well as two upstream pipe segments were :

Work with contractors to ensure future line-breaks will not sur-charge sewer lines.

Agency is attempting to identify where and how pine needles enters sewer system.
Removed debris from manhole.
Removed debris from manhole

Repair manhole rings. Install caution poles.

No
No

No
No

No

No
No
No

No
Yes

Yes

Yes
No
Yes

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N/A
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NONE

NA

NA

NA

La Sirrea Channel, County of Riverside Flood Control

N/A

Redhill Channel

Redhill Channel

El Modena Irvine Channel

NA

Santa Ana Santa Fe Channel

Redhill Channel

Redhill Channel

NA

El Modena Irvine Channel

NA

NA

NA

North Tustin Channel

None

na

East Garden Grove Wintersburg Channel

NA

NA

NA

33rd St. Channel between 32nd St and 38th St

33rd St. Channel between 32nd St and 38th St

NA

El Modena Irvine Channel

Storm drain.

Storm drain.

Storm drain.

NA

Storm drain.

Storm drain.

Storm drain.

Storm drain

Storm drain.

Storm drain.

na

No water quality samples taken
Not applicable to this spill

Not applicable to this spill
Other (specify below)

Other chemical indicator(s) - specify below

Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill
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Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill;Other (specify below)
Not applicable to this spill;Other (specify below)
Not applicable to this spill
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Sample gathered, waiting for determination of testing requirements

EC meter compaired to the discaharger

NA

na
NA

OCHCA took the water quality samples and analyzed it themselves.
OCHCA took the water quality samples and analyzed it themselves.

NA

None of the above
None of the above

Not applicable to this spill
None of the above

Regional Water Quality Control Board

Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill
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Not applicable to this spill
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Not applicable to this spill

No water quality samples taken
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
No water quality samples taken
No water quality samples taken
None of the above
None of the above
No water quality samples taken
No water quality samples taken
None of the above
None of the above
None of the above

Waiting for determination of testing requirements

NA

na
NA

NA

122092	4/10/2012 0:35
70325	1/16/2007 9:42
91148	2/10/2009 9:50
93222	4/24/2009 12:54
87229	10/6/2008 13:54
87218	10/6/2008 10:58
88005	11/6/2008 11:25
96125	9/4/2009 9:24
97042	10/17/2009 11:17
97065	10/18/2009 17:17
100852	2/1/2010 13:10
102618	4/26/2010 15:00
103763	6/21/2010 8:36
106248	10/17/2010 16:23
112212	4/6/2011 11:20
113313	6/2/2011 12:20
113508	6/11/2011 14:34
116144	10/14/2011 11:59
122081	4/9/2012 14:52
125076	8/25/2012 17:00
125076	8/25/2012 17:00
125290	9/4/2012 11:05
134463	7/19/2013 20:26
72699	5/3/2007 14:41
77283	11/26/2007 9:00
77283	11/26/2007 9:00
	12/28/2007 20:00
82630	4/7/2008 20:02
83484	5/13/2008 12:10
83589	5/18/2008 15:16
	6/10/2008 11:30
87878	11/1/2008 20:12
87878	11/1/2008 20:12

8SSO10641	Active	746996 Lee Cory	Certified
8SSO10641	Active	747602	Work In Progress
8SSO10641	Active	766026 Ken Mendum	Certified
8SSO10642	Historical	711280 Armando Jaime	Certified
8SSO10642	Historical	711455 Armando jaime	Certified
8SSO10643	Active	708240 John F. Nelson	Certified
8SSO10643	Active	732487 John F. Nelson	Certified
8SSO10643	Active	748864 John Nelson	Certified
8SSO10643	Active	759968 John Nelson	Certified
8SSO10643	Active	765090 John Nelson	Certified
8SSO10643	Active	790928 Jack Nelson	Certified
8SSO10643	Active	796894 Jack Nelson	Certified
8SSO11178	Active	738336 gl ord	Certified
8SSO11179	Active	737449 John Dickson	Certified
8SSO11179	Active	738243 Nate Mackamul	Certified
8SSO11179	Active	747739	Ready To Certify
8SSO11179	Active	797464 John Whitt	Certified
8SSO11181	Active	747910 Michael Wagner	Certified
8SSO11181	Active	793094 michael wagner	Certified
8SSO11382	Active	648934 Tom O'Neill	Certified
8SSO11382	Active	650646 Mohamed El-Amamy	Certified
8SSO11382	Active	654253 Tom O'Neill	Certified
8SSO11382	Active	655137 Tom O'Neill	Certified
8SSO11382	Active	706033 Tom O'Neill	Certified
8SSO11382	Active	711850 Tom O'Neill	Certified
8SSO11382	Active	730736 Tom O'Neill	Certified
8SSO11382	Active	732626 Tom O'Neill	Certified
8SSO11382	Active	738479 Mohamed El-Amamy	Certified
8SSO11382	Active	738489 Mohamed El-Amamy	Certified
8SSO11382	Active	738490 Mohamed El-Amamy	Certified
8SSO11382	Active	738492 Mohamed El-Amamy	Certified
8SSO11382	Active	744549 MOHAMED EL-AMAMY	Certified
8SSO11382	Active	747574 Tom O'Neill	Certified
8SSO11382	Active	747586 Mohamed El-Amamy	Certified
8SSO11382	Active	748217 Scott Burton	Certified
8SSO11382	Active	749689 Scott Burton	Certified
8SSO11382	Active	750827 Scott Burton	Certified
8SSO11382	Active	756631 Thomas O'Neill	Certified
8SSO11382	Active	756653 Thomas O'Neill	Certified
8SSO11382	Active	758496 Tom O'Neill	Certified
8SSO11382	Active	762906 Thomas O'Neill	Certified
8SSO11382	Active	766588 Thomas O'Neill	Certified
8SSO11382	Active	767649 Thomas O'Neill	Certified
8SSO11382	Active	769784 Tom O'Neill	Certified
8SSO11382	Active	770435 Tom O'Neill	Certified
8SSO11382	Active	778385 Tom O'Neill	Certified
8SSO11382	Active	779298 Thomas O'Neill	Certified
8SSO11382	Active	780841 Thomas O'Neill	Certified
8SSO11382	Active	783058 Tom O'Neill	Certified
8SSO11382	Active	787694 Thomas O'Neill	Certified
8SSO11382	Active	792439 Tom O'Neill	Certified
8SSO11383	Active	646203 Robert M. Koczko	Certified
8SSO11383	Active	647360 Robert M. Koczko	Certified
8SSO11383	Active	656484 John Vega	Certified
8SSO11383	Active	710589 Robert M. Koczko	Certified

Operations Manager

Water Maintenance Super.
Public Works Superintendent
Public Works Superintendent
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General Manager
Assistant General manager
Asst Gen. Mgr
chief engineer
Correctional Plant Manager I
Chief Engineer I

Chief Engineer
Correctional Plant Supervisor
correctional plant supervisor
Water Production Manager
Utilities Director
Water Production Manager
Water Production Manager
Water Production Manager
Water Production Manager
Water Production Manager
Water Production Manager
Utilities Director
Utilities Director
Utilities Director
Utilities Director
UTILITES DIRECTOR
Water Production Manager
Utilities Director
Utilities Engineering and Operations Director
Engineering and Operations Director
Engineering and Operations Director
Water Production Manager
Water Production Manager
Water Production Manager
Water Production Manager
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utilities Operations Division Manager
Utilities Operations Division Manager
Utilities Operations Division Manager
Sewer Maintenance Foreman
Sewer Maintenance Foreman
Director of Operations
Sewer Maintenance Foreman

Yorba Linda Water District		888529
Yorba Linda		633981
Yorba Linda, CA.		954145
Orang County		213992
Yucaipa		261840
Yucaipa, California		712216
Yucaipa		553831
Yucaipa		143458
Yucaipa		940638
Yucaipa, CA		745475
Yucaipa		871135
chino california		426656
CIW		147098
	1403	978053
C.I.W.		242702
1315 hours		360732
	1335	562629
Ontario, CA		749111
	15:59	228551
Ontario, CA		308065
Ontario, CA		540502
Ontario, CA		836373
Ontario, CA		920272
Ontario, CA		360672
Ontario, CA		692052
	17:06	496331
	17:05	332616
	17:03	838064
	17:01	711128
	10:17	549193
Ontario, CA		403140
	8:35	762395
City of Ontario		975628
City of Ontario		551764
Ontario MUA		679095
City of Ontario		500677
City of Ontario		478606
Ontario, CA		557315
Ontario, CA		641378
Ontario, CA		622071
Ontario CA		461335
ONtario, CA		308002
Ontario, CA		528341
Ontario, CA		163961
Ontario, CA		143965
Ontario, CA		932446
Ontario CA		793526
Ontario, CA		630992
Ontario, CA		187147
CVWD		758561
CVWD		192450
Cuamonga Valley Water District		882660
CVWD		854011

23-Nov-09		23-Nov-09	11/23/2009
17-Dec-09		17-Dec-09	
2-May-11	5/2/2011	2-May-11	5/2/2011
16-Jan-08		7-Dec-10	12/7/2010
21-Jan-08		21-Jan-08	3/8/2011
27-Nov-07		27-Nov-07	11/27/2007
24-Jan-09		2-Feb-09	2/2/2009
27-Jan-10		4-May-11	5/4/2011
29-Dec-10	12/29/2010	4-May-11	5/4/2011
4-Apr-11	4/4/2011	4-May-11	5/4/2011
29-Jan-13	1/29/2013	29-Apr-13	4/29/2013
17-Jul-13	7/17/2013	25-Nov-13	11/25/2013
1-Jun-09		7-Feb-11	2/7/2011
14-May-09		14-May-09	5/14/2009
29-May-09		29-May-09	5/29/2009
22-Dec-09			
1-Aug-13	8/1/2013	1-Aug-13	8/1/2013
28-Dec-09		28-Dec-09	12/28/2009
2-Apr-13	4/2/2013	4-Apr-13	4/4/2013
4-Apr-07		15-May-07	12/30/2010
17-May-07		27-Jun-07	6/27/2007
17-Jul-07		24-Aug-07	12/30/2010
2-Aug-07		24-Aug-07	12/30/2010
22-Oct-07		28-Nov-07	12/30/2010
25-Jan-08		30-Dec-10	12/30/2010
18-Dec-08		22-Dec-08	12/30/2010
27-Jan-09		11-Feb-09	2/15/2011
3-Jun-09		3-Jun-09	6/3/2009
3-Jun-09		3-Jun-09	6/3/2009
3-Jun-09		3-Jun-09	6/3/2009
3-Jun-09		3-Jun-09	6/3/2009
11-Sep-09		17-Sep-09	9/17/2009
17-Dec-09		21-Dec-09	12/30/2010
17-Dec-09		29-Dec-09	12/29/2009
7-Jan-10		28-Jan-10	1/28/2010
23-Feb-10		4-Mar-10	3/4/2010
22-Mar-10		29-Mar-10	3/29/2010
7-Sep-10	9/7/2010	7-Sep-10	9/7/2010
8-Sep-10	9/15/2010	20-Sep-10	9/20/2010
10-Nov-10	11/10/2010	10-Nov-10	11/10/2010
14-Feb-11	2/22/2011	28-Feb-11	2/28/2011
17-May-11	5/17/2011	19-May-11	5/19/2011
20-Jun-11	6/20/2011	20-Jun-11	6/20/2011
15-Aug-11	8/15/2011	16-Aug-11	8/16/2011
29-Aug-11	8/29/2011	1-Sep-11	9/1/2011
6-Mar-12	3/6/2012	8-Mar-12	3/8/2012
30-Mar-12	3/30/2012	2-Apr-12	4/2/2012
1-May-12	5/1/2012	1-May-12	5/1/2012
6-Jul-12	7/6/2012	11-Jul-12	7/11/2012
30-Oct-12	10/30/2012	5-Nov-12	11/5/2012
7-Mar-13	3/7/2013	11-Mar-13	3/11/2013
24-Jan-07		3-Dec-10	12/3/2010
26-Feb-07		3-Dec-10	12/3/2010
29-Aug-07		28-Sep-07	9/28/2007
2-Jan-08		4-Feb-08	12/3/2010

Category 3		181	20
Category 1		2108	700
Category 3		2	0
Category 3		326	245
Category 1		326	245
Category 3		55	0
Category 1		600	100
Category 2		2000	2000
Category 1		3250	0
Category 1		850	0
Category 1		60	40
Category 2	0	1800	0
Category 3		175	0
Category 1		100	0
Category 1		150	0
Category 3		20	20
Category 3		10	0
Category 3		200	0
Category 3		250	200
Category 1		11000	11000
Category 3		500	400
Category 3		250	250
Category 1		6000	5500
Category 1		10500	7500
Category 3		150	150
Category 1		120	70
Category 1		3000	2000
Category 1		18900	4000
Category 1		4200	1000
Category 1		4200	1000
Category 1		4200	0
Category 3		100	100
Category 1		33000	33000
Category 3		100	100
Category 3		200	200
Category 3		300	300
Category 3		300	300
Category 3		700	700
Category 3		200	200
Category 2		8000	8000
Category 3		50	50
Category 3		250	250
Category 3		40	40
Category 3		10	10
Category 3		375	375
Category 1		1400	1400
Category 3		50	50
Category 2		1700	1700
Category 3		800	800
Category 3		200	200
Category 3		185	185
Category 1		3000	2000
Category 3		150	0
Category 3		175	175
Category 1		1500	1000

0 No	Yes
1408 Yes	Yes
0 No	No
0 No	Yes
81 No	Yes
No	No
500 Yes	Yes
0 No	Yes
3250 Yes	Yes
850 Yes	Yes
60 Yes	Yes
0 No	No
0 No	No
100 No	Yes
150 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
11000 Yes	No
No	No
0 No	No
500 Yes	No
3000 Yes	Yes
0 No	No
50 Yes	Yes
1000 Yes	Yes
14900 Yes	Yes
3200 Yes	Yes
3200 Yes	Yes
4200 Yes	Yes
0 No	Yes
16500 Yes	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
1400 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
1000 No	Yes
0 No	No
No	No
500 No	Yes

No
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Yes
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No

Imperial Highway
Canyon Drive
Richfield
Yorba Ranch Rd. @ Trailside Dr. E/O Street
Yorba Ranch Road n/o Trail Side Dr.
Lift Station 5
35476 Wildwood Canyon
4th Street cross of Sunlight
Wildwood Basin Project
Douglas Street
3rd Street
Lift Station 1
Del Norte' Housing unit and Basment
main culinary loading dock area
main culinary dock culinary
Tower two manhole
California Institution for Women administration building
CRC FLU units
5th & Western
Intersection Cucamonga Ave & I Street
Holt Blvd Trunck Sewer Costruction
J11MH115
J11mh115 (2)
I17MH104
655 E G Street
Westwind Park
Manhole# R19MH160
Pipe Segment J17CL1063
Pipe Segment J17CL1063 (2)
Pipe Segment J17CL1063 (3)
Pipe Segment J17CL1063 (4)
1047-1053 N. Mountain Ave, Ontario
2151 E. Philadelphia
Manhole at intersection of Olive Street and San Diego Avenue
608 West Emporia
904 W Rosewood
2400 S Sultana
Boulder Avenue and B Street
1320 N Sultana-Basement
3655 E. Airport
515 North Vine
Manhole on East Sixth, west of Grove
1565 E. Fourth Street
608 W. Emporia Street
1203 E. Sixth Street
2917 E Cottonwood
222 N. San Antonio
1002 E. G Street
1442 W Holt
313 S. Vine, K12MH135
1045 N Palmetto
Church Street west of Malaga Drive
Intersection of Chestnut Ave. and Cornwall Ave.
7648 Fennel Rd.
Intersection Ramona Ave and Monte Vista Street

33.903519	-117.840039 Orange
33.87222	-117.78986 Orange
33.881456	-117.826253 Orange
33.880878	-117.765589 Orange
33.881752	-117.760154 Orange
34.026967	117.102781 San Bernardino
34.016668	117.016891 San Bernardino
34.018833	-117.051833 San Bernardino
34.01421	-117.02139 San Bernardino
34.01688	-117.0301 San Bernardino
34.018	-117.0475 San Bernardino
34.01282	-117.10059 San Bernardino
33.9836	-117.6625 San Bernardino
33.957222	-117.646111 San Bernardino
33.95722	-117.64611 San Bernardino
33.95722	-117.64611 San Bernardino
33.94935	-117.63477 San Bernardino
33.92741	-117.56796 Riverside
33.92659	-117.57113 Riverside
34.074278	-117.632081 San Bernardino
34.060556	117.634722 San Bernardino
34.066661	-117.667833 San Bernardino
34.066661	-117.667833 San Bernardino
34.648333	-117.6 San Bernardino
34.070706	-117.641753 San Bernardino
34.023433	-117.5991 San Bernardino
34.016992	-117.595339 San Bernardino
34.063492	-117.610928 San Bernardino
34.063622	-117.610939 San Bernardino
34.064722	-117.604669 San Bernardino
34.063569	-117.612314 San Bernardino
34.077222	-117.678611 San Bernardino
34.033889	-117.604167 San Bernardino
34.09031	-117.6121 San Bernardino
34.06196	-117.6584 San Bernardino
34.07724	-117.6656 San Bernardino
34.029494	-117.645872 San Bernardino
34.06436	-117.66521 San Bernardino
34.08215	-117.6458 San Bernardino
34.06238	-117.5711 San Bernardino
34.06862	-117.6563 San Bernardino
34.08549	-117.62926 San Bernardino
34.07797	-117.62023 San Bernardino
34.061389	-117.658056 San Bernardino
34.08548	-117.62991 San Bernardino
34.01983	-117.58792 San Bernardino
34.066111	-117.660278 San Bernardino
34.070278	-117.634167 San Bernardino
34.06348	-117.67835 San Bernardino
34.05999	-117.65588 San Bernardino
34.07689	-117.66782 San Bernardino
34.111272	-117.550975 San Bernardino
34.104697	-117.519836 San Bernardino
34.114758	117.543839 San Bernardino
34.127375	-117.589269 San Bernardino

Dampness around clean out

Manhole located behind sidewalk on Yorba Ranch Road approx 150' n/o Trail Side Dr. on then east side of the street

Manhole located behind sidewalk on Yorba Ranch Rd. approx. 150' n/o Trail Side Dr. on the east side

Spill occurred in unpaved area surrounding the sewer lift station

500 feet north of Wildwood Canyon Rd on Douglas, storm drainage on west side of road, also sewer easement

East side of 4th Street at the intersection of Sunlight Drive.

Wildwood Basin project, south of Wildwood Canyon Road in the storm drainage area on the the north embankment on the

Douglas Street, approximately 300 feet north of Wildwood Canyon Road, down in the dip for the storm channel

Manhole is located in the intersection of 3rd Street and Sunlight Drive

Main Culinary Dock Area

Manhole between perimeter fence near tower II

Southwest of FLU units

Dorm 312

In an excavation ditch

Intersection

Manhole in the Parkway

In a tree planter near the restroom at the north end of Westwind Park.

In the street

In the street at an intersection

In the street at an intersection

In the street at an intersection

In the street

2 separate private clean-outs in parking lot.

Manhole at southeast corner of parcel: P18MH106.

Manhole at intersection of Olive Street and San Diego Avenue, and private cleanout in front yard of 1846 E. Olive Street.

2 manholes overflowed onto street in the 600 West block of Emporia: K12MH118 and K12MH117.

Manhole H11MH113 in parkway at 904 West Rosewood

Spill coming from side door at 864 West B Street and front door at 854 West B Street

Broken pipe in resident's basement

Manhole north of building: J21MH122

Manhole I12MH183 located in parkway at 515 N. Vine

Manhole F15MH144

Manhole H16MH119, at intersection of Fourth and Baker.

Manhole K12MH118

F15 MH 143

3 manholes in street

Cleanout in landscaped area

Inline cleanout in residential backyard easement

Fantastic Finds Thrift Store

Manhole in street

Private cleanout at 1045 N Palmetto, and inside of 3 apartment units at 1012 W. F

Church Street 450 feet west of Malaga Drive. On the street and affecting curb and gutterline

Overflowing sewer manhole at residential intersection of Chestnut Ave. and Cornwall Ave. in the City of Rancho Cucamonga

Residential street to include flood damage at two houses: 7688 Fennel and 7689 Fennel

Intersection of Ramona Ave and Monte Vista Street with curb and gutter affected

3 west end of the project.

1

nga

Manhole
Manhole
Other (specify)
Gravity sewer
Gravity sewer
Pump station
Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Force main or pressure sewer
Building or structure
Gravity sewer
Gravity sewer
Manhole
Building or structure
Gravity sewer
Gravity sewer
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Manhole
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Other sewer system structure
Manhole
Manhole;Other (specify)
Gravity sewer
Manhole
Gravity sewer;Manhole
Building or structure
Gravity sewer;Other (specify)
Manhole
Gravity sewer;Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Other sewer system structure
Other sewer system structure
Manhole
Other sewer system structure
Manhole
Other sewer system structure
Manhole
Manhole

Clean out

At 10:12 am I received an alert from Tysa in the main office. She informed me that a customer reported sewage discharg

Crack in street asphalt pavement
Excavation Ditch

In a planter near a tree.

It was flowing from 4 manholes.

It was flowing from 4 manholes.

It was flowing from 4 manholes.

It was flowing from 4 manholes.

1st clean-out in landscape area adjacent to sidewalk along Mountain Avenue. 2nd clean-out at sidewalk in front of stores.

Manhole at intersection of Olive Street and San Diego Avenue, and private cleanout in front yard of 1846 E. Olive Street.

Basement of 1320 N. Sultana

Cleanout

Inline cleanout in residential backyard easement

Floor drain inside of building, and cleanout outside of building

Private cleanout at 1045 N Palmetto, and inside of 3 apartment units at 1012 W. F

Storm drain
Separate storm drain
Other paved surface
Separate storm drain;Street/curb and gutter
Separate storm drain
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Separate storm drain;Street/curb and gutter;Unpaved surface;Other (specify below)
Separate storm drain;Street/curb and gutter;Unpaved surface
Unpaved surface
Other paved surface
Storm drain
Storm drain
Unpaved surface
Building or structure
Unpaved surface
Unpaved surface
Other paved surface;Separate storm drain;Street/curb and gutter
Other (specify below)
Street/curb and gutter
Other (specify below)
Separate storm drain;Other (specify below)
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter;Other (specify below)
Storm drain;Street/curb and gutter;Surface water
Storm drain;Street/curb and gutter;Surface water
Storm drain;Street/curb and gutter;Surface water;Other (specify below)
Storm drain;Street/curb and gutter;Surface water
Storm drain
Other (specify below)
Storm drain
Storm drain
Street/curb and gutter
Street/curb and gutter
Building or structure;Street/curb and gutter
Other (specify below)
Separate storm drain
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Separate storm drain
Separate storm drain
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Separate storm drain
Separate storm drain
Street/curb and gutter
Separate storm drain;Street/curb and gutter

Contained spill within storm drain catch basin, vacuumed up material and power washed street and catch basin and removed. Contained in storm drain pipe and vacuumed up and placed back into sewer system.

Spill entered storm drain/wash and soaked into the ground

Unknown

Because of the dry conditions, the discharged sewage was absorbed into the ground before crews could vacuum it up.

Drainage canal

Vent pipe broke

Contained and recovered in a concrete storm channel about 2 mile downstream of the spill.

Excavation Ditch

Unknown at this time

In the Cucamonga Creek Channel

Cucamonga flood control channel down stream of the effluent from Inland Empire Utilities Agencies Reclamation Plant 1. The Cucamonga Creek Channel

It flowed in the Cucamonga Creek Channel that channel flows into Mill Creek and ends up at Prado Dam.

It flowed in the Cucamonga Creek Channel that channel flows into Mill Creek and ends up at Prado Dam.

It flowed in the Cucamonga Creek Channel that channel flows into Mill Creek and ends up at Prado Dam.

It flowed in the Cucamonga Creek Channel that channel flows into Mill Creek and ends up at Prado Dam.

NA

West Cucamonga Creek Channel (all recovered)

Basement of 1320 N. Sultana

Spill flowed out of manhole, over the curb, and entered the gutter on N. Vine.

Residential back yard

Spill entered a storm drainpipe which resurfaced onto Palmetto Street where it was all contained and collected. Spill also

11/23/2009 11:37	11/23/2009 11:37	11/23/2009 12:10	11/23/2009 12:16
12/17/2009 9:05	12/17/2009 9:05	12/17/2009 9:11	12/17/2009 9:16
4/28/2011 8:36	4/28/2011 8:36	4/28/2011 8:46	4/28/2011 8:46
1/14/2008 8:30	1/14/2008 8:30	1/14/2008 8:30	1/14/2008 9:40
1/14/2008 8:30	1/14/2008 8:30	1/14/2008 8:40	1/14/2008 9:40
11/24/2007 11:15	11/24/2007 11:30	11/24/2007 11:40	11/24/2007 11:45
1/24/2009 12:55	1/24/2009 12:58	1/24/2009 13:10	1/24/2009 13:20
1/26/2010 9:10	1/26/2010 10:12	1/26/2010 10:20	1/26/2010 10:25
12/22/2010 9:20	12/22/2010 9:20	12/22/2010 9:30	12/22/2010 11:30
4/4/2011 7:27	4/4/2011 7:27	4/4/2011 7:35	4/4/2011 7:45
1/29/2013 7:00	1/29/2013 7:00	1/29/2013 7:20	1/29/2013 7:40
7/16/2013 7:15	7/16/2013 7:25	7/16/2013 7:45	7/16/2013 8:45
5/31/2009 13:00	5/31/2009 13:00	5/31/2009 13:10	5/31/2009 13:33
10/11/2008 18:00	10/13/2008 9:00	10/11/2008 18:30	10/11/2008 20:07
5/20/2009 18:00	5/21/2009 14:30	5/20/2009 18:30	5/20/2009 18:00
11/30/2009 8:02	11/30/2009 10:00	11/30/2009 7:00	11/30/2009 8:30
7/11/2013 15:00	7/11/2013 15:00	7/11/2013 15:00	7/11/2013 15:00
12/28/2009 6:00	12/28/2009 12:50	12/28/2009 8:30	12/28/2009 12:30
3/19/2013 0:00	3/19/2013 0:00	3/19/2013 0:00	3/19/2013 0:00
4/2/2007 20:00	4/3/2007 7:20	4/3/2007 7:25	4/3/2007 7:45
5/8/2007 3:40	5/8/2007 3:54	5/8/2007 3:50	5/8/2007 3:50
7/16/2007 9:30	7/16/2007 11:15	7/16/2007 11:25	7/16/2007 11:45
7/31/2007 10:00	7/31/2007 10:05	7/31/2007 10:15	7/31/2007 11:30
10/20/2007 11:10	10/20/2007 11:30	10/20/2007 12:10	10/20/2007 12:20
1/23/2008 7:30	1/23/2008 7:50	1/23/2008 8:00	1/23/2008 8:10
12/16/2008 12:00	12/16/2008 12:40	12/16/2008 12:55	12/16/2008 13:00
1/23/2009 11:40	1/23/2009 11:40	1/23/2009 11:55	1/23/2009 12:35
5/30/2009 0:00	5/30/2009 12:30	5/30/2009 12:50	5/30/2009 15:30
5/30/2009 0:00	5/30/2009 12:30	5/30/2009 12:50	5/30/2009 15:30
5/30/2009 0:00	5/30/2009 12:30	5/30/2009 12:50	5/30/2009 15:30
5/30/2009 0:00	5/30/2009 12:30	5/30/2009 12:50	5/30/2009 15:30
9/2/2009 11:00	9/2/2009 11:15	9/2/2009 11:45	9/2/2009 12:00
12/14/2009 10:30	12/14/2009 12:30	12/14/2009 12:40	12/14/2009 14:10
12/14/2009 7:50	12/14/2009 7:50	12/14/2009 8:00	12/14/2009 10:00
1/5/2010 12:00	1/5/2010 12:00	1/5/2010 12:10	1/5/2010 12:20
2/20/2010 9:00	2/20/2010 9:00	2/20/2010 9:30	2/20/2010 10:00
3/18/2010 19:00	3/18/2010 19:00	3/18/2010 19:15	3/18/2010 20:15
8/21/2010 9:30	8/21/2010 9:30	8/21/2010 10:15	8/21/2010 10:25
9/6/2010 18:00	9/6/2010 18:06	9/6/2010 18:30	9/6/2010 19:15
11/8/2010 13:00	11/8/2010 15:00	11/8/2010 15:15	11/8/2010 15:20
2/11/2011 17:00	2/11/2011 17:00	2/11/2011 17:30	2/11/2011 20:00
5/16/2011 9:24	5/16/2011 9:44	5/16/2011 10:00	5/16/2011 10:15
6/20/2011 9:30	6/20/2011 9:30	6/20/2011 9:35	6/20/2011 9:45
8/15/2011 8:53	8/15/2011 8:53	8/15/2011 8:55	8/15/2011 9:20
8/29/2011 7:20	8/29/2011 7:20	8/29/2011 7:40	8/29/2011 7:45
3/4/2012 11:50	3/4/2012 11:50	3/4/2012 12:15	3/4/2012 13:00
3/29/2012 7:39	3/29/2012 7:39	3/29/2012 7:39	3/29/2012 7:42
4/28/2012 9:45	4/28/2012 9:45	4/28/2012 10:15	4/28/2012 11:55
7/5/2012 14:35	7/5/2012 14:35	7/5/2012 14:50	7/5/2012 16:30
10/26/2012 14:15	10/26/2012 14:30	10/26/2012 14:40	10/26/2012 16:00
3/6/2013 11:32	3/6/2013 11:32	3/6/2013 12:00	3/6/2013 12:05
1/21/2007 8:45	1/21/2007 8:52	1/21/2007 9:40	1/21/2007 9:45
2/21/2007 10:00	2/21/2007 10:05	2/21/2007 10:12	2/21/2007 10:15
8/20/2007 7:20	8/20/2007 7:22	8/20/2007 7:30	8/20/2007 7:25
12/25/2007 10:45	12/25/2007 10:45	12/25/2007 11:00	12/25/2007 11:15

Grease deposition (FOG)
Root intrusion
Vandalism
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Debris-General
Pipe structural problem/failure
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Other (specify below)
Debris-General
Debris-General
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Debris-General
Debris-General
Debris-General
Root intrusion
Pipe structural problem/failure
Grease deposition (FOG)
Debris-General
Debris-General
Debris-General
Debris-General
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Root intrusion
Other (specify below)
Vandalism
Other (specify below)
Other (specify below)
Root intrusion
Other (specify below)
Debris-Rags
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Root intrusion
Debris-Rags
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Pipe structural problem/failure
Debris-General

N/A
Bubbler Failure at Lift Station
Grease buildup on roots caused blockage
Infiltration of storm water washed sand and debris from abandoned sewer main into downstream manhole
Excess flow in storm channel eroded away, undermining the sewer main and manhole
At this time, the cause of the blockage is believed to be roots and grease, but this section of sewer main is scheduled for

Grease trap became clogged with debris and caused food preparation effluent to back up onto Main Culinary loading dock
inmate tooth brush

line plugged causing flow to discharge out of ventpipe
Ditch failure, a reclaimed water line had recently been installed below the sewer line.
During the construction of a new sewer line a piece of shoring fell and broke a 10 inch sewer line.

Rocks were found in the line.

Grease Rags and Debris were removed from the downstream manhole when the blockage was cleared.
Grease Rags and Debris were removed from the downstream manhole when the blockage was cleared
Grease Rags and Debris were removed from the downstream manhole when the blockage was cleared
Grease Rags and Debris were removed from the downstream manhole when the blockage was cleared
Rags and grease in private lateral. 17 feet of sag in lower lateral.
Large rock in syphon
Stick of lumber in sewer main.

Spill was the result of a contractor failing to remove a test plug after making a connection to an existing sewerline
It is believed that a septic hauler drained his truck into the sewer blocking the main with plastic bags and hair resulting in
Grease and Roots
Blockage: rocks and debris. Apparently the sewer main was damaged then repaired during recent installation of a Verizon

The Ontario sewer main is connected to the IEUA pipe at point that is too low to allow sewage to fall in ; therefore, grease

A rod wedged in the main collected rags and grease causing blockage.
Rags and grease

Large rocks, rags, and debris
Grease and roots
Construction debris from newly installed private 8-inch sewer main tie-in with new manhole structure entered our sewer main

Main
Other (specify below)
Main
Main

Main
Main
Main
Main
Main
Other (specify below)

Other (specify below)
Main
Main
Other (specify below)
Main
Other (specify below)
Main

[illegible]

Main

Clean out
At Manhole Connection, Tree Roots Clogged Main Line
roots in sewer manhole

Force Main

Grease trap discharge main line from the Main Culinary Kitchen discharge.

clean out in ADM. building

Housing unit

Inverted siphon in 12 sewer main.

No

8 VCP

8 VCP

8 vcp

8 VCP

8 VCP

10 VCP

8 VCP

8 VCP

6 debris

6 debris

6

3

8 VCP

10 VCP

8 VCP

8 VCP

12 vcp

6 Clay

Clay

10 VCP

12 VCP

12 VCP

12 VCP

12 VCP

6 cast iron

12 clay

8 clay

6 clay

8 VCP

8 VCP

8 vcp

8 vcp

8 VCP

8 VCP

8 VCP

10 VCP

6 VCP

8 VCP

8 VCP

4 Clay

8 VCP

8 VCP

6 VCP

8 VCP

8 VCP

8 VCP

8 VCP

8 VCP

23
24
24
25
25

1951
1951

70
20

40
44
52
52
52
52

10
36
52
58

50
39
50
61
57
53
61
36

54

30

Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Re-

Upgrading alarm systems at District Lift Stations; Solids (grease) sucked up with Aquatech truck, area cleaned of all debris

The crews opened the manhole and began vacuuming the sewage to prevent further discharge while other crews jet rodded. Jeremy Costello (District Employee) contacted me at 9:20am about a report from Robert Estrada (Construction Inspector). District Staff found sewage discharging from manhole M20-28 at a rate of approximately 50gpm. This sewage went a short distance

Kitchen cooking effluent spill was contained and stopped after an estimated 100 gallons entered the storm drain system.

Contained spill and restored sewer flow
contained below building

The spill was mis diagnosed as a water leak the night before at the time it was estimated at 2 GPM by morning it was flowing. Flow was immediately diverted to another line until the completion of repair was made.

The sewer line was by-passed and televised, there was no evidence as to where the rocks and debris came from.

This pipe segment is an inverted siphon, the up and downstream piping was televised, no defects were observed.

Cleaned blockage, recovered spill from storm drain, cleaned and sanitized area. Spill had entered storm drain at 1005 N

City crews contained spill and protected storm drain catch basin. Blockage was released. Crews collected all spilled sewage

Cleaned, contained and returned portion of spill to sanitary sewer. Residents had clean-up crews clean and collect remainder. Private company cleaned up basement and returned spill to sanitary sewer

Ongoing investigation.

Crews arrived and contained spill in the gutter. Blockage was removed, flow restored, and all spilled material was collected

Will televise and investigate further. Source control staff will investigate upstream sources of FOG.

Repaired lateral; replaced section of pipe.

Contained spill within easement and properties. Called Servpro for cleanup and disinfection within easement.

Investigation is ongoing

Apartment owners will have a restoration company repair damages and submit claim to City for reimbursement.

11/23/2009 13:00
12/17/2009 10:48

1/24/2009 18:30
1/26/2010 13:30
12/23/2010 18:45
4/4/2011 10:30
1/29/2013 10:00
8/16/2013 10:00

10/11/2008 20:05
5/20/2009 0:00

4/3/2007 12:00

7/31/2007 22:30
10/20/2007 16:30

12/16/2008 14:00
1/23/2009 14:00
5/30/2009 17:30
5/30/2009 17:30
5/30/2009 0:00
5/30/2009 0:00

12/14/2009 19:00

11/9/2010 16:00

3/4/2012 16:00

4/28/2012 14:00

1/21/2007 12:15

12/25/2007 13:00

Enforcement action against FOG source
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Repaired sewer
Repaired sewer
Adjusted schedule/method of preventive maintenance
Other (specify below)
Repaired Facilities or Replaced Defect

Adjusted schedule/method of preventive maintenance
Repaired sewer

Repaired sewer

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Remove roots, install a root killer and CCTV Main

Mainline is scheduled for CCTV to identify problem, and appropriate corrective action will be taken.

At this time, the cause of the blockage is believed to be roots and grease, but this section of sewer main is scheduled for Pending CCTV results

Purchased emergency spill containment devices

The contractor repaired the line. It was televised to insure that the pipe was in good condition and there were no other iss

Add to quarterly cleaning program.

A break in the line was discovered after further inspection of the line was completed. It was repaired and re-televised. The

Plan to repair sewer.

This line is currently on a quarterly cleaning schedule. Inspection of contributing food establishments to this line. Also the 2 unmapped manholes and a reduced diameter segment of pipe were discovered. This pipe segment will be put on a quarterly cleaning schedule. This pipe segment will be put on a quarterly cleaning schedule. This pipe segment will be put on a quarterly cleaning schedule. This pipe segment will be put on a quarterly cleaning schedule.

It was discovered that the overflow bypass was not in operation due to bulkheads which have been removed. This modifi

Ongoing investigation.

Added to 90-day program and will monitor residential discharges due to large number of wipes found in the system.

This sewer line was cleaned on 3/9/06 and 11/30/06. There is no problems with this line. This line was CCTV inspected c

Yes
Yes

Yes
Yes
Yes
Yes
Yes
Yes

No
No

No

No
Yes

No
Yes
No
No
No
No

Yes

Yes

Yes

Yes

Yes

No

N/A
N/A

N/A
None

N/A
None

It was a rainy day could not see any impact to receiving waters.

The Cucamonga Creek Channel was inspected for fecal matter and other debris associated with a sewage spill, none were

The Cucamonga Creek Channel was inspected for fecal matter and other debris associated with a sewage spill, none were

The Cucamonga Creek Channel was inspected for fecal matter and other debris associated with a sewage spill, none were

The Cucamonga Creek Channel was inspected for fecal matter and other debris associated with a sewage spill, none were

Spill was contained and collected in Cucamonga Creek Channel upstream of the confluence with Cucamonga Creek.

NA

NA
NA

No
No

Yes
Yes
No
Yes
Yes

No
No

No

No
No

No
No
No
No
No
No
No

No

No

No

No

No

No

NA
NA

N/A

N/A
NA

N/A
None

N/A
N/A

N/A
NA

NA
N/A

NA
N/A
N/A
N/A
N/A
N/A

NA

NA

NA
NA

N/A

N/A

NA
Storm drain
None

N/A
NA
Unknown
None
None

N/A
N/A

none

N/A
Concrete storm channel (all recovered)

Unknown
In the Cucamonga Creek Channel

Cucamonga flood control channel
The Cucamonga Creek Channel
Cucamonga Creek, Mill Creek & Prado Dam
Cucamonga Creek, Mill Creek & Prado Dam
Cucamonga Creek, Mill Creek & Prado Dam
Cucamonga Creek Channel, Mill Creek & Prado Dam

West Cucamonga Creek Channel (all recovered)

N/A
NA - No surface waters impacted.
NA
NA
NA
NA
NA
Deer Creek Flood Control channel

Deer creek flood control channel

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
Not applicable to this spill

Biological indicator(s) - specify below
No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Other (specify below)

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken;Not applicable to this spill

N/A

Content of sewage

Ammonia, TOC, pH, EC, and TSS samples were collected by IEUA in Cucamonga Creek at points upstream and downstr

No water quality samples taken
Not applicable to this spill

None of the above
None of the above
None of the above
Not applicable to this spill
Not applicable to this spill

Regional Water Quality Control Board
No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Regional Water Quality Control Board

None of the above

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken;Not applicable to this spill

N/A

97886	11/23/2009 13:44
98394	12/17/2009 11:12

90743	1/24/2009 17:10
100717	1/27/2010 10:50
107823	12/23/2010 14:28
112178	4/5/2011 8:30

720287	4/3/2007 9:05
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74611	8/1/2007 3:30
74613	10/20/2007 11:40
80639	1/23/2008 8:40
88951	12/16/2008 14:10
90705	1/23/2009 12:55
94031	5/30/2009 16:45
94031	5/30/2009 16:45
94031	5/30/2009 16:45
94031	5/30/2009 16:45
96087	9/2/2009 13:12
98329	12/14/2009 13:25

106735	11/8/2010 16:45
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121232	3/4/2012 13:45
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122543	4/28/2012 11:10
--------	-----------------

70454	1/21/2007 12:25
71130	2/21/2007 13:00
75142	8/20/2007 11:50
77909	12/25/2007 12:50

John Wrobel - Environmental Control Superintendent

9097975117

8SSO11383	Active	715588 Robert M. Koczko	Certified
8SSO11383	Active	715589 Robert M. Koczko	Certified
8SSO11383	Active	716448 Robert M. Koczko	Certified
8SSO11383	Active	729236 Robert Koczko	Certified
8SSO11383	Active	731651 Robert Koczko	Certified
8SSO11383	Active	797720 robert Koczko	Certified
8SSO11383	Active	800853 Robert M. Koczko	Certified
8SSO11385	Active	653345 Jesus Plasencia	Certified
8SSO11385	Active	656810 Jesus Plasencia	Certified
8SSO11385	Active	716980 Jesus Plasencia	Certified
8SSO11385	Active	731777 Jesus Plasencia	Certified
8SSO11385	Active	736381 Jesus Plasencia	Certified
8SSO11385	Active	752761	Work In Progress
8SSO11385	Active	778523 Jesus Plasencia	Certified
8SSO11385	Active	792941 Jesus Plasencia	Certified
8SSO11418	Active	650495 Randy Hundley	Certified
8SSO11418	Active	714542 Ron Proze	Certified
8SSO11418	Active	721435 Ron Proze	Certified
8SSO11418	Active	727386 Ron Proze	Certified
8SSO11418	Active	727393 Ron Proze	Certified
8SSO11418	Active	728914 Ron Proze	Certified
8SSO11418	Active	732933 Ron Proze	Certified
8SSO11418	Active	750997 Ron Proze	Certified
8SSO11418	Active	752381 Ron Proze	Certified
8SSO11418	Active	759074 Ronald Proze	Certified
8SSO11418	Active	765305 Ron Proze	Certified
8SSO11418	Active	785962 Ronald Proze	Certified
8SSO11418	Active	787077 Ronald Proze	Certified
8SSO11418	Active	792343 Ron Proze	Certified
8SSO11424	Active	722411 Steven W. Appel	Certified
8SSO11424	Active	782263 Steven W. Appel	Certified
8SSO11477	Active	711188 Tony Mata	Certified
8SSO11477	Active	726162 Tony Mata	Certified
8SSO11477	Active	746402 Tony Mata	Certified
8SSO11477	Active	747407 Tony Mata	Certified
8SSO11477	Active	748079 Tony Mata	Certified
8SSO11477	Active	748080 Tony Mata	Certified
8SSO11477	Active	748255 Jerry L. Perez	Certified
8SSO11477	Active	748880 Jerry L. Perez	Certified
8SSO11477	Active	773560 Jerry L. Perez	Certified
8SSO11501	Active	785512 Nicole Greene	Certified
8SSO11501	Active	798850 Nicole Greene	Certified
8SSO11513	Active	653169 Wayne D Posey	Certified
8SSO11513	Active	656941 Wayne D Posey	Certified
8SSO11513	Active	750536 Wayne Posey	Certified
8SSO11513	Active	754437 Wayne D Posey	Certified
8SSO11513	Active	780311 Wayne D Posey	Certified
8SSO11518	Active	767605 Wayne D Posey	Certified
8SSO11518	Active	768384 Wayne D Posey	Certified
8SSO11525	Active	781837 Jerry Weatherman	Certified
9SSO10570	Active	707750 Renzo Marin	Certified
9SSO10570	Active	729037 Renzo Marin	Certified
9SSO10570	Active	756246 Renzo Marin	Certified
9SSO10570	Active	781051 RENZO MARIN	Certified
9SSO10570	Active	781053 RENZO MARIN	Certified

Sewer Maintenance Foreman
Sewer Maintenance Foreman
Sewer Maintenance Foreman
Sewer Maintenance Foreman
Sewer Maintenance Foreman
Maintenance Supervisor
Maintenance Supervisor
Associate Engineer
Associate Engineer
Assistant Engineer
Associate Engineer
Associate Engineer

Associate Engineer
Civil Engineering Manager
Water Waste/Water Supt.
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Ronald Proze
Water/Wastewater Superintendent
Water/Wastewater Superintendent
Assistant General Manager
District Engineer
Environmental Control Supervisor
Environmental Control Supervisor
Environmental Control Supervisor
Environmental Control Supervisor
Supervisor
Environmental Control Supervisor
Utilities & Streets Supervisor
Utilities & Streets Supervisor
Utilities & Streets Supervisor
Environmental Manager
Environmental Manager
Director Of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Director of Wastewater Operations
Park Maintenance Chief II
T/R Analyst
T/R Analyst
T/R Analyst, Collection System Manager
T/R ANALYST, COLLECTION SYSTEM MANAGER
T/R ANALYST, COLLECTION SYSTEM MANAGER

Cucamonga Valley Water District	937309
CVWD	750822
CVWD	741758
Cucamonga Valley Water District	480987
Cucamonga Valley Water District	430348
CVWD	993481
CVWD	571119
	8:23 AM 851254
	8:15 AM 961664
	1:32 PM 493377
	1:42 PM 344369
	8:18 AM 435009
Chino, CA	985180
Chino, CA	635757
City of Hemet	229088
Hemet, CA	267014
City of Hemet	294544
City of Hemet Corporation Yard	414216
City of Hemet Corporation Yard	630778
City of Hemet	384103
City of Hemet	189824
City of Hemet	520057
City of Hemet	804371
City of Hemet	508255
City of Hemet	782314
City of Hemet	542400
City of Hemet	308960
City of Hemet	545065
Riverside, CA	150590
Jurupa Valley, CA	540637
Fontana	166583
City of Fontana	637269
Fontana	602956
City of Fontana	243496
Fontana	268122
City of Fontana	138755
City of Fontana	777262
City of Fontana	357038
Fontana	593882
5111 Benito Street, Montclair, CA 91763	416554
5111 Benito Street Montclair, Ca 91763	320992
Irvine, Ca	155383
Irvine, ca	823554
Irvine, ca	161846
Irvine, Ca.	760812
Irvine, CA	875094
Irvine, ca	869554
Irvine, Ca	818968
	6/4/2012 680725
Lake Forest, CA	407151
Lake Forest, CA	428878
Lake Forest, CA 92630	542836
LAKE FOREST	896671
LAKE FOREST	278757

31-Mar-08		1-Apr-08	4/1/2008
31-Mar-08		1-Apr-08	12/3/2010
23-Apr-08		5-May-08	12/3/2010
13-Nov-08		13-Nov-08	11/13/2008
9-Jan-09		2-Feb-09	2/2/2009
9-Aug-13	8/9/2013	9-Aug-13	8/9/2013
19-Nov-13	11/19/2013	19-Nov-13	11/19/2013
2-Jul-07		2-Jul-07	2/1/2011
4-Sep-07		13-Sep-07	2/1/2011
5-May-08		7-May-08	5/7/2008
13-Jan-09		13-Jan-09	1/13/2009
15-Apr-09		1-Feb-11	2/1/2011
27-May-10	5/27/2010	27-May-10	
8-Mar-12	3/12/2012	12-Mar-12	3/12/2012
26-Mar-13	3/26/2013	26-Mar-13	3/26/2013
14-May-07		14-May-07	5/14/2007
5-Mar-08		5-Mar-08	3/5/2008
3-Jul-08		3-Jul-08	7/3/2008
6-Oct-08		6-Oct-08	10/6/2008
6-Oct-08		6-Oct-08	10/6/2008
4-Nov-08		4-Nov-08	11/4/2008
3-Feb-09		3-Feb-09	2/3/2009
25-Mar-10		25-Mar-10	3/25/2010
13-May-10	5/13/2010	13-May-10	5/13/2010
2-Dec-10	12/2/2010	2-Dec-10	12/2/2010
7-Apr-11	4/7/2011	7-Apr-11	4/7/2011
6-Sep-12	9/6/2012	6-Sep-12	9/6/2012
9-Oct-12	10/9/2012	9-Oct-12	10/9/2012
5-Mar-13	3/5/2013	5-Mar-13	3/12/2013
15-Jul-08		15-Jul-08	7/15/2008
19-Jun-12	6/19/2012	19-Jun-12	6/19/2012
14-Jan-08		17-Jan-08	2/1/2011
11-Sep-08		15-Sep-08	9/15/2008
31-Oct-09		2-Nov-09	2/1/2011
9-Dec-09		9-Dec-09	12/9/2009
4-Jan-10		5-Jan-10	2/1/2011
4-Jan-10		5-Jan-10	1/5/2010
11-Jan-10		11-Jan-10	1/11/2010
27-Jan-10		27-Jan-10	1/27/2010
29-Nov-11	12/1/2011	1-Dec-11	12/1/2011
23-Aug-12	8/24/2012	24-Aug-12	8/24/2012
17-Sep-13	9/17/2013	17-Sep-13	9/19/2013
28-Jun-07		28-Jun-07	6/28/2007
6-Sep-07		1-Oct-07	2/2/2011
12-Mar-10		18-Mar-10	3/18/2010
6-Jul-10	7/6/2010	6-Jul-10	7/6/2010
18-Apr-12	4/18/2012	1-May-12	5/1/2012
20-Jun-11	6/20/2011	20-Jun-11	6/20/2011
13-Jul-11	7/13/2011	17-Aug-11	8/17/2011
4-Jun-12	6/4/2012	4-Jun-12	6/4/2012
15-Nov-07		15-Nov-07	12/2/2008
6-Nov-08		2-Dec-08	12/2/2008
23-Aug-10	8/23/2010	23-Aug-10	8/23/2010
8-May-12	5/8/2012	8-May-12	5/8/2012
8-May-12	5/8/2012	8-May-12	5/8/2012

Category 3		100	100
Category 1		2000	1700
Category 1		2500	2500
Category 3		750	500
Category 3		10	10
Category 2		3500	3500
Category 3	300	300	200
Category 1		500	320
Category 3		180	180
Category 1		1825	0
Category 1		135	0
Category 3		4	4
Category 1		200	200
Category 3		90	20
Category 1		50	10
Category 3		600	600
Category 3		20	0
Category 3		120	120
Category 3		50	50
Category 3		250	250
Category 3		300	300
Category 3		200	0
Category 3		10	0
Category 3		675	0
Category 3		150	0
Category 3		900	0
Category 3		70	0
Category 3		10	0
Category 1		204	180
Category 3		100	100
Category 1		450	50
Category 3		60	60
Category 3		15	15
Category 1		2000	2000
Category 3		75	75
Category 3		935	935
Category 3		500	0
Category 3		700	0
Category 3		250	0
Category 1		6000	6000
Category 1		3000	500
Category 2	138240	138240	32854
Category 3		5	5
Category 3		45	45
Category 3		274	274
Category 1		26725	5850
Category 3		50	0
Category 3		250	250
Category 3		25	25
Category 2		3740	0
Category 1		170	150
Category 3		10	0
Category 1		250	0
Category 3		1	0
Category 3		1	0

0 No	No
300 Yes	Yes
1000 Yes	No
0 No	No
0 No	No
0 No	Yes
0 No	No
180 Yes	Yes
0 No	No
1825 Yes	Yes
135 Yes	Yes
0 No	No
200 Yes	No
0 No	Yes
40 Yes	Yes
No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
24 No	No
0 No	No
400 Yes	Yes
0 No	No
0 No	No
400 Yes	No
0 No	Yes
0 No	No
0 No	Yes
0 No	No
0 No	No
5 Yes	No
2500 Yes	Yes
0 No	No
No	No
0 No	No
0 No	Yes
20875 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
20 Yes	Yes
0 No	No
250 Yes	Yes
0 No	No
0 No	No

[illegible]

9007 Center Avenue
8200 Haven on Civic Center Drive 500-feet west of Haven
North of Baseline Rd., West of Spruce (field)
Field north of 13216 Victoria Street
7670 Church Street, Rancho Cucamonga, CA 91729
Archibald at Main
11946 Huntley Dr
12186 Abacherli Ave.
Walnut Avenue
Edison & Ramona Avenue Intersection
Chino Avenue east of Benson Avenue Intersection
14570 Rice Avenue
Chino Storm Drain Channel
Walnut Avenue and Concord Court
Pipeline at Chino Storm Drain
Acacia Avenue, off Raymond Street, Hemet, Ca. 92545
State and Florida
Mayberry/Gilbert
Johnston Ave.
Carnation
Morada Ct.
Florida Ave.
624 E. Kimball Ave.
Intersection of Meier St. and Harvard St.
Intersection of Mayberry and Gilbert
Intersection of Meier and Harvard
Menlo Ave
N. Hamilton St. & Devonshire Ave.
State Highway 74/ Florida Ave.
Mission Blvd @ Pontiac
New Regional Lift Station Air Valve
Manhole I23-10
Manhole J23-16
Juniper Avenue 200 yards n of Valley Blvd, Fontana, CA 92335
Manhole J21_44
Intersection of Miller and Laural Ave
Intersection of Catawaba and Deodar Ave
Cypress Ave @ Malaga
Cypress Ave @ Jurupa Ave
8600 Citrus Avenue
3773 Peachwood Drive, Montclair, CA 91763 - Peachwood Mobile Estates
Brooks Basin/10660 Silicon
Buck Gully Lift Station
Reef Point access road
Pelican Hills Golf Course
Newport Coast Lift Station
Marriott Newport Coast
MPS-3 Gravity Sewer Main
MPS-# Forcemain Pigging Operation
Lake Perris State Park (Campground)
Calle Cortez
New World
VERENA COURT
PERSUS
PERSUS

34.090281	117.580272 San Bernardino
34.102967	-117.577575 San Bernardino
34.122742	-117.569964 San Bernardino
34.130089	117.516953 San Bernardino
34.114108	117.59215 San Bernardino
34.092708	-117.593436 San Bernardino
34.122064	-117.543858 San Bernardino
34.03186	-117.69581 San Bernardino
34.02644	-117.6633 San Bernardino
33.99708	-117.70685 San Bernardino
34.011906	117.679608 San Bernardino
33.989083	-117.658 San Bernardino
34.030561	-117.700439 San Bernardino
34.02618	-117.71117 San Bernardino
34.02966	-117.71556 San Bernardino
33.909167	116.99985 Riverside
33.747417	116.97165 Riverside
33.733366	116.966709 Riverside
33.716742	116.983358 Riverside
33.716728	116.983393 Riverside
33.750008	116.983374 Riverside
33.733989	116.968994 Riverside
33.733391	-116.950073 Riverside
33.750011	-116.966685 Riverside
33.740283	-116.975883 Riverside
33.751083	-116.968511 Riverside
33.716898	-117.00017 Riverside
33.716914	-117.000186 Riverside
33.733561	-116.950253 Riverside
33.99771	117.40796 Riverside
33.97888	-117.42501 Riverside
34.12317	-117.49243 San Bernardino
34.084376	-117.43888 San Bernardino
34.071626	-117.44002 San Bernardino
34.05751	-117.2609 San Bernardino
34.113984	-117.413953 San Bernardino
34.078305	-117.458027 San Bernardino
34.11163	-117.444465 San Bernardino
34.048115	-117.453884 San Bernardino
34.09493	-117.455926 San Bernardino
34.045881	-117.722719 San Bernardino
34.0612706	-117.7139118 San Bernardino
33.913611	117.933056 Orange
33.582028	-117.819794 Orange
33.591383	-117.849428 Orange
33.60518	-117.82734 Orange
33.581133	-117.844042 Orange
33.671603	-117.844303 Orange
33.671603	-117.8443 Orange
33.87156	-117.17787 Riverside
33.597708	117.716786 Orange
33	117 Orange
33.6071	-117.67867 Orange
33.6024	-117.6777 Orange
33.6024	-117.6777 Orange

industrial/business roadway.

Out of a sewer manhole approximately 500-feet west of Haven avenue. Location of a roadway

In a field north of Baseline Road, West of Spruce

In a field 600-feet north of 13216 Victoria Street

On Church Street, to the Curb and Gutter in front of 7670 Church Street.

OES 136874

Manhole at 12186 Abacherli Ave.

Manhole

Approximately 50 feet west of the Edison/Ramona intersection

Sewer manhole on Chino Avenue approximately 200 feet east of Benson Avenue

Manhole on street adjacent to 14570 Rice Avenue located in the College Park Community of the City of Chino.

SBCFCD's Chino Storm Drain Channel (north of Pomona Freeway) approximately 660 feet west of Monte Vista Avenue

The spill began at the south side of the Walnut Avenue and Concord Court intersection then flowed west on Walnut Avenue

Manhole on Pipeline Avenue adjacent to Chino Storm Drain

Intersection

Manhole

On Johnston just east of Lyon

On Carnation east of Orchid

on Morada Ct. just east of Calle Nogales

Spill was coming up from manhole in intersection of Meier St. and N Harvard St.

Sewage coming out of manhole in the intersection of Mayberry and Gilbert

Sewer coming out of manhole lid on Menlo Ave.

Overflow at manhole in Intersection of Mission Blvd and Pontiac

A closed 1 diameter ball valve on an air release valve broke off and allowed raw sewage to flow onto the asphalt pavement

Intersection of Dianthus Ave. & Elwood Ave.

Urban street, paved with curb and gutter adjacent to apartment complex

Urban street, paved with gutter adjacent to apartment complex.

Spill occurred on parking lot behind apartment complex.

Spill originated at a manhole adjacent to 3773 Peachwood Drive.

A manhole adjacent to Brooks Basin overflowed into Inland Empire Utilities Agency's Brooks Basin Groundwater Recharge

Spill was contained within the lift station boundaries

Access road along the back side of Reef Point approximately 1 mile from the access road entrance.

Spill was located in the Pelican Hills Golf Course adjacent to the 15th Tee.

Location of discharge was located within the planter area directly between the street curb and sewage lift station.

Spill occurred between Campground entrance station and lower RV loop. The area is undeveloped and in open space.

Calle Cortez & Moulton Pkwy.

Ground and Grass area around the lateral clean out.

VERENA COURT

MANHOLE

MANHOLE

1

ue then south on Norton Avenue before

ent and into the storm drain system at th

1

Gravity sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Building or structure
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Pump station
Manhole
Manhole
Manhole
Force main or pressure sewer
Gravity sewer
Manhole
Manhole
Gravity sewer
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Force main or pressure sewer;Pump station
Manhole
Gravity sewer;Manhole
Force main or pressure sewer;Gravity sewer
Manhole
Manhole
Other (specify)
Force main or pressure sewer;Other (specify)
Manhole
Manhole

Open valve on vacuor truck.
Sewer System cleanout

Wet around manhole

Slow seepage coming from manhole in cul-de-sac in front of above address

1 1/2" diameter ball valve on an air release valve failed spilling raw sewage.

Manhole
Manhole

Spill occurred on private property parking lot which is behind apartments located at 8600 Citrus Avenue. Sewage was contained.
The spill appearance point was from one manhole adjacent to the Inland Empire Utilities Agency's Brooks Basin. Three residents were notified.

Ground and Grass area around the lateral clean out.
Between Street Asphalt and curb.

Street/curb and gutter
Separate storm drain;Street/curb and gutter
Other (specify below)
Other (specify below)
Street/curb and gutter
Separate storm drain
Other (specify below)
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain
Surface water
Storm drain;Surface water
Street/curb and gutter
Other (specify below)
Surface water
Surface water
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Unpaved surface
Street/curb and gutter
Separate storm drain
Street/curb and gutter
Street/curb and gutter
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Other (specify below)
Storm drain
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Separate storm drain;Unpaved surface;Other (specify below)
Other (specify below)
Beach;Storm drain;Street/curb and gutter;Surface water;Unpaved surface
Unpaved surface;Other (specify below)
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Other (specify below)
Storm drain
Unpaved surface
Unpaved surface

Captured in the Deer Creek Flood Control Channel.
In a dirt field

Curb and Gutter, curb faced storm drain catch basin.

Concrete drainage channel that runs parallel to the Pomona Freeway
Chino Creek

Unpaved surface = Menlo Retention Basin

All collection boxes within City storm drain system drain to unpaved dirt surface areas and do not come into contact with :

Open Channel where it was recovered

2,000 gallons reached the West Fontana Channel and 4,000 gallons was contained on the Asphalt parking lot of which w
San Antonio Drainage Channel
Brooks Basin Groundwater Recharge/Stormwater Detention Basin (Inland Empire Utilities Agency)
Contained on the asphalt within the lift station containment area.
Wastewater was pooling along the dirt then overflowed into the nearby v-ditch. Flows from the storm drains enter the Muc
Spill drained into the Pelican Point Urban Runoff Lift Station operated by the Pelican Hills Golf Club Staff
Spill entered Buck Gully Canyon approximately 3 miles inward from Little Corona Del Mar Beach.
The SSO remained in a grass area surrounding the manhole along the sewer easement.

Aliso Creek
Ground and Grass area around the lateral clean out.

DIRT AREA AROUND MANHOLE.
DIRT AREA AROUND MANHOLE.

3/14/2008 8:10	3/14/2008 8:00	3/14/2008 8:00	3/14/2008 8:15
3/30/2008 2:45	3/30/2008 2:45	3/30/2008 3:00	3/30/2008 3:10
4/20/2008 12:45	4/20/2008 12:45	4/20/2008 13:00	4/20/2008 13:05
11/12/2008 9:00	11/12/2008 9:00	11/12/2008 9:10	11/12/2008 9:45
1/8/2009 8:00	1/8/2009 8:00	1/8/2009 8:05	1/8/2009 8:10
8/5/2013 7:20	8/5/2013 7:30	8/5/2013 7:45	8/5/2013 7:50
11/6/2013 7:45	11/6/2013 7:45	11/6/2013 8:00	11/6/2013 8:10
6/27/2007 20:10	6/27/2007 20:20	6/27/2007 20:35	6/27/2007 20:46
8/26/2007 12:30	8/26/2007 1:00	8/26/2007 1:10	8/26/2007 1:30
5/3/2008 8:20	5/3/2008 8:25	5/3/2008 9:23	5/3/2008 9:33
12/31/2008 13:30	12/31/2008 13:35	12/31/2008 13:45	12/31/2008 14:15
3/18/2009 11:30	3/18/2009 12:30	3/18/2009 12:40	3/18/2009 13:30
5/24/2010 15:00	5/24/2010 15:00	5/24/2010 15:00	5/24/2010 15:10
3/8/2012 7:30	3/8/2012 8:15	3/8/2012 8:30	3/8/2012 9:00
1/23/2013 13:40	1/23/2013 13:50	1/23/2013 14:00	1/23/2013 14:30
5/9/2007 16:10	5/9/2007 16:10	5/9/2007 16:20	5/9/2007 16:40
2/7/2008 11:10	2/7/2008 11:10	2/7/2008 11:20	2/7/2008 11:25
6/19/2008 13:20	6/19/2008 13:20	6/19/2008 13:30	6/19/2008 13:44
9/16/2008 14:15	9/16/2008 14:20	9/16/2008 14:30	9/16/2008 16:20
9/26/2008 11:15	9/26/2008 11:20	9/26/2008 11:30	9/26/2008 11:55
10/18/2008 10:20	10/18/2008 11:10	10/18/2008 11:25	10/18/2008 11:50
1/10/2009 11:20	1/10/2009 11:30	1/10/2009 12:30	1/10/2009 12:45
3/11/2010 13:00	3/18/2010 12:45	3/18/2010 12:55	3/18/2010 13:00
5/12/2010 9:40	5/12/2010 11:36	5/12/2010 11:40	5/12/2010 16:00
11/10/2010 7:40	11/10/2010 7:45	11/10/2010 8:01	11/10/2010 9:50
3/20/2011 8:30	3/20/2011 8:36	3/20/2011 9:11	3/20/2011 9:16
8/1/2012 18:15	8/1/2012 18:20	8/1/2012 18:25	8/1/2012 19:10
8/20/2012 20:18	8/20/2012 20:20	8/20/2012 20:30	8/20/2012 21:10
2/28/2013 13:05	2/28/2013 13:05	2/28/2013 13:08	2/28/2013 13:30
6/20/2008 8:40	6/20/2008 8:45	6/20/2008 8:45	6/20/2008 9:45
6/11/2012 5:00	6/11/2012 5:00	6/11/2012 5:00	6/11/2012 7:30
1/10/2008 11:20	1/10/2008 12:26	1/10/2008 12:30	1/10/2008 13:00
9/10/2008 8:30	9/10/2008 9:40	9/10/2008 9:50	9/10/2008 11:00
10/29/2009 9:30	10/29/2009 9:44	10/29/2009 10:01	10/29/2009 10:25
12/9/2009 6:40	12/9/2009 6:45	12/9/2009 6:50	12/9/2009 7:00
12/31/2009 15:00	12/31/2009 15:05	12/31/2009 15:15	12/31/2009 16:01
1/1/2010 15:30	1/1/2010 15:40	1/1/2010 16:00	1/1/2010 16:30
1/10/2010 18:19	1/10/2010 18:30	1/10/2010 18:35	1/10/2010 18:51
1/24/2010 11:55	1/24/2010 12:00	1/24/2010 12:15	1/24/2010 12:20
11/29/2011 13:00	11/29/2011 13:15	11/29/2011 13:25	11/29/2011 13:33
8/23/2012 8:30	8/23/2012 8:45	8/23/2012 8:55	8/23/2012 9:35
9/17/2013 4:00	9/17/2013 10:44	9/17/2013 10:59	9/17/2013 12:00
6/7/2007 8:13	6/7/2007 8:13	6/7/2007 8:13	6/7/2007 8:17
9/1/2007 12:39	9/1/2007 12:39	9/1/2007 12:39	9/1/2007 1:25
3/10/2010 10:48	3/10/2010 10:48	3/10/2010 10:15	3/10/2010 14:21
7/2/2010 0:00	7/2/2010 11:38	7/2/2010 11:46	7/2/2010 21:30
4/13/2012 13:20	4/13/2012 13:30	4/13/2012 13:55	4/13/2012 14:20
6/14/2011 13:45	6/14/2011 13:45	6/14/2011 13:45	6/14/2011 13:45
7/6/2011 14:05	7/6/2011 14:05	7/6/2011 14:05	7/6/2011 14:16
5/26/2012 13:00	6/1/2012 11:30	5/31/2012 12:30	5/31/2012 13:00
11/14/2007 13:45	11/14/2007 13:40	11/14/2007 13:40	11/14/2007 14:05
10/27/2008 13:00	10/27/2008 13:00	10/27/2008 13:05	10/27/2008 13:15
8/19/2010 0:00	8/19/2010 14:15	8/19/2010 14:18	8/19/2010 14:25
4/1/2012 18:00	4/1/2012 18:00	4/1/2012 18:00	4/1/2012 18:04
4/1/2012 18:00	4/1/2012 18:00	4/1/2012 18:00	4/1/2012 18:04

Debris
Debri-General
Vandalism
Vandalism
Debri-General
Debri-General
Debris from Construction
Grease deposition (FOG)
Grease deposition (FOG)
Debris
Grease deposition (FOG)
Other (specify below)
Operator error
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Debris
Debris
Debris
Debri-General
Debri-General
Other (specify below)
Grease deposition (FOG)
Debri-General
Debri-General
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Vandalism
Pipe structural problem/failure
Debri-General
Root intrusion
Pipe structural problem/failure
Root intrusion
Debri-General
Debri-General
Debri-General
Other (specify below)
Vandalism
Pipe structural problem/failure
Other (specify below)
Other (specify below)

The debris was new construction material; wooden form stake, broken piece of 8-inch PVC lodged on downstream side of
Tree branch was thrown into sewer manhole

a small piece of rebar was lodged in a joint collecting rags/paper
The cause of the blockage was pool plaster material was introduced to the sewer collection system and had cured over time

A sewer line brick and mortar plug was not removed by a contractor and thus caused sewage to backup upstream of the plug

Debris caused partial blockage
Backup of paper and grease
Blockage was caused by foreign items such as: gauze, q-tips, and heavy deposit of sand
Grease and debris (Plastic Bags)
Debris and hair in 4" main line
3/8" rebar lodged in Main which caused rags and other debris to back up
Grease block approximately 2000 ft North of overflow
Possible large debris caught in manhole downstream

3" gas main bored across center of sewer main

1 Ball Valve Failure

Unusually high grease buildup in line.
Spill believed to be caused by FOG and debris materials including rags, toilet paper, personal sanitary paper debris, and
Three manhole covers were stolen by homeless individuals in the area, and concrete debris from fence post footings was

Cracked forcemain 12" PVC Tee fitting outside lift station dry well.

City of Aliso Viejo contractors while performing road improvement work knocked manhole ring spacers loose and into the

Sewer Force Main leak
OPERATIONS CREW ON SITE, WHILE PULLING ROOTS OUT OF MANHOLE APPROXIMATELY 1 GALLON OF SEWAGE
OPERATIONS CREW ON SITE, WHILE PULLING ROOTS OUT OF MANHOLE APPROXIMATELY 1 GALLON OF SEWAGE

Main
Other (specify below)

Main
Main
Gravity Mainline
Main
Main

Main
Main

Main
Main

Main
Main
Main
Main
Main

Main
Main
Main
Main
Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Main
Main

Main
Main
Manhole

Main
Other (specify below)

Other (specify below)
Main
Other (specify below)
Lower Lateral

Upper Lateral
Other (specify below)
Upper Lateral
Upper Lateral

in a sewer manhole, vandals threw in debris

Blockage in line on Morada approx. 25 ft to the west of start manhole
Sewer mainline blockage approximately 3-4' east of manhole

RCSD Regional Lift Station

Grease blockage was 10' upstream from sewer mh I21_47.

Root intrusion coming in from the top of the manhole cone.

Roots entered into the manhole structure plugging the downstream side of the sewer main.

Forcemain termination point at the first manhole into the 24" gravity sewer main

Hole in 6" Ductile Iron Sewer Force main.

No

8 DIP
8 VCP
8 VCP
8 VCP
8 VCP

8 vcp
8 VCP
8 VCP
8 VCP
8 VCP
8 PVC

8 VCP
12
10 PVC

8 VCP
8
8
8 PVC
8 PVC

8
10 VCP

8

8 VCP
8 VCP

8 VCP
6 Clay

No

8 VCP
6
10 VCP

8

12 PVC

PVC
6 DI
6
6

30
40
55
50
1

23
30

50

40

25

25

2006

35

Robert Koczko, CVWD Sewer Maintenance Foreman, received a call of a sewer backup int the intersection of Hermosa e

Removed brick and mortar plug in the sewer line.

Approximately 20 gallons dried on site on roadway. Partial blockage to blame

Street was washed down and spill was vactored up and disposed of

Washed down the street and vactored up the spill

Used jetter and vactor truck to penetrate blockage and remove foreign materials. Flow contained on street/curb and gutte

Washed down and vactored up from street

Vactored: Absorption of spill that was 30' in curb, washed down with water. Master Rooter used snake to clear blockage

Washed down to vactor and cleaned gutter thoroughly. For follow up Jetted and vactores the affected and surrounding m

See Attachment

Notification to the City of Montclair was received 10:44 am (1044 hrs)to Nicole Greene, Environmental Manager. E.M. nc

Spill was partially contained at 1:05 PM on July 2, 2010, with approximately 15 Gallons per minute leakage at containmer

ETWD staff had City contractors use their backhoe to build a dirt dam to contain the intermittent SSO while Hydro cleanir
Vandalism. Rocks and sprinklers introduced in lateral. Intermittent overflow from duplex clean out. Used the hydro clear
Shut pumps off. Used Vactors to maintain wet well level while excavating and making repairs to force main.

3/30/2008 18:00
4/20/2008 18:00

8/5/2013 11:00

6/27/2007 22:00

5/3/2008 10:19
12/31/2008 15:00

5/24/2010 15:50
3/8/2012 10:45
1/23/2013 14:30

6/11/2012 7:30

10/29/2009 13:53

12/31/2009 19:10

11/29/2011 17:15
8/23/2012 11:00
9/17/2013 14:50

7/4/2010 9:30

6/1/2012 13:00
11/14/2007 14:20

8/19/2010 23:00

Other (specify below)
Other (specify below)

Repaired sewer

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)
Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance

Other (specify below)

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Other (specify below)
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Other (specify below)

Repaired sewer

Added sewer to preventive maintenance program
Other (specify below)

Repaired sewer;Other (specify below)

Source of blockage was debris from a newly constructed private sewer system that has not been finalized. We CCTV ins
Lock down sewer manholes to secure against vandalism

Investigate upstream users of the sewer line. Appropriate enforcement shall be taken as necessary.
Investigate the FOG source

Will check to make sure the valve on the vacator truck is properly closed before conducting sewer maintenance activities

Replaced failed 1 ball valve, and all other 1 ball valves

Public Education material which included FOG and Household Hazardous Waste to the apartment manager to distribute
In addition to the spill response activities noted in #31, a Police Report was taken (Report #13-4096, Montclair Police Dep

Currently investigating the cause of the pipe failure to determine the corrective action.

N/A
Sewer line was put back in service.

Permanent repair completed 8/19/2010.

Yes
No

No

No

Yes
Yes

No
No
No

No

No

No

No
No
Yes

Yes

No
No

No

Only liquid observed in receiving water.

Not applicable

No visual impact observed
No visual impacts observed.

Nothing observable

There was no release of sewage into the receiving waters and the small amount of flow was captured in the v-ditch. This

No visible sign of wastewater at Little Corona Del Mar Creek flow.

Not applicable.
No Impact.
NA
NA

No
No

No

No

No
No

No
No
No

No

No

No

No
No

Yes

No
No

No

N/A
N/A

NA

NA
NA

NA

n/a

NA

N/a

Little Corona Del Mar Beach

NA

NA
NA
NA

deer creek flood control channel
deer creek flood control channel

n/a

Chino Storm Drain

Chino Creek
Chino Creek

NA
Chino Creek
Chino Storm Drain discharges to Chino Creek

N/A
None
N/A
N/A
N/A

Sunnyslope Channel

Caltrans Channel

NA

None
San Antonio Drainage Channel

N/a

Buck Gully Canyon
N/A
N/A
N/A
N/A
Aliso Creek

NA
NA
NA

No water quality samples taken
No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken
No water quality samples taken

Not applicable to this spill
No water quality samples taken
No water quality samples taken

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Not applicable to this spill
No water quality samples taken

Biological indicator(s) - specify below

Not applicable to this spill
Not applicable to this spill

No water quality samples taken

OCHD collected samples at the Little Corona Del Mar Beach and beach discharge point on 7/3/10 and 7/4/10. Samples w

No water quality samples taken
No water quality samples taken

Not applicable to this spill

None of the above

No water quality samples taken
None of the above

Not applicable to this spill
None of the above
None of the above

None of the above

None of the above

Not applicable to this spill

Not applicable to this spill
No water quality samples taken

None of the above

Not applicable to this spill
Not applicable to this spill

No water quality samples taken

Using the SSCS manhole overflow gauge, calculation of time, GPM, length of curb and gutter affected and width/depth o

Due to the amount of flow and large surface area, the spill duration was assumed to be 4:00 am on 9/17/13 based on the

82055	3/14/2008 9:15
82441	3/30/2008 16:55
82925	4/20/2008 14:55
88136	11/12/2008 11:15
90152	1/8/2009 9:35
134815	8/5/2013 10:05

	6/29/2007 10:00
75413	9/6/2007 9:35
83250	5/5/2008 10:00
90264	1/13/2009 9:45

103223	5/25/2010 8:30
121333	3/8/2012 10:55
130482	1/23/2013 16:15

97338	10/31/2009 13:20
-------	------------------

98660	12/31/2009 20:01
100011	1/1/2010 18:30

117076	11/29/2011 16:17
125010	8/23/2012 9:45

75318	9/2/2007 17:45
101733	3/12/2010 9:24
104027	7/2/2010 12:21
122205	4/13/2012 14:27
113560	6/14/2011 18:05
114060	7/6/2011 15:35
123275	6/4/2012 14:01

104981	8/19/2010 15:05
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Robert M. Koczko

9099129718

Nicole Greene, Environmental M

9097211776

9SSO10570	Active	788258 RENZO MARIN	Certified
9SSO10570	Active	790232 RENZO MARIN	Certified
9SSO10570	Active	794305 RENZO MARIN	Certified
9SSO10644	Active	656108 Chad Davisson	Certified
9SSO10644	Active	751316 John Onkka	Certified
9SSO10644	Active	751793 John Onkka	Certified
9SSO10644	Active	753850 John Onkka	Certified
9SSO10644	Active	788966 John Onkka	Certified
9SSO10644	Active	797538 John Onkka	Certified
9SSO10646	Active	648085 Rudy Cancio	Certified
9SSO10646	Active	649296 RUDY CANCIO	Certified
9SSO10646	Active	707185 Rudy Cancio	Certified
9SSO10646	Active	711004 Rudy Cancio	Certified
9SSO10646	Active	719531 Timothy J. Ripley	Certified
9SSO10646	Active	730208 Timothy J. Ripley	Certified
9SSO10646	Active	733463 Rudy Cancio	Certified
9SSO10646	Active	746647 Rudy Cancio	Certified
9SSO10646	Active	748070 Mark W. Sanchez	Certified
9SSO10646	Active	749342 RUDY CANCIO	Certified
9SSO10646	Active	751064 Joseph Burgos	Certified
9SSO10646	Active	752116 Mark W. Sanchez	Certified
9SSO10646	Active	752176 Mark W. Sanchez	Certified
9SSO10646	Active	752628 Joseph Burgos	Certified
9SSO10646	Active	753638	Work In Progress
9SSO10646	Active	756599 Joseph Burgos	Certified
9SSO10646	Active	763335 Brian Walther	Certified
9SSO10646	Active	767430 Brian Walther	Certified
9SSO10646	Active	776849 steve padilla	Certified
9SSO10646	Active	781006 RUDY CANCIO	Certified
9SSO10646	Active	787090 Joseph Burgos	Certified
9SSO10646	Active	800521	Work In Progress
9SSO10646	Active	800593 Mark W Sanchez	Certified
9SSO10646	Active	800795	Work In Progress
9SSO10646	Active	801061	Submit Draft
9SSO10647	Active	648515 Kim Godby	Certified
9SSO10647	Active	648516 Kim Godby	Certified
9SSO10647	Active	649982 Kim Godby	Certified
9SSO10647	Active	652976 Kim Godby	Certified
9SSO10647	Active	652980 Kim Godby	Certified
9SSO10647	Active	657046 Kim Godby	Certified
9SSO10647	Active	657050 Kim Godby	Certified
9SSO10647	Active	712069 kim godby	Certified
9SSO10647	Active	713790 Kim Godby	Certified
9SSO10647	Active	713793 kim godby	Certified
9SSO10647	Active	723702 Kim Godby	Certified
9SSO10647	Active	725632 kim godby	Certified
9SSO10647	Active	728650 Kim Godby	Certified
9SSO10647	Active	728651 Kim Gdoby	Certified
9SSO10647	Active	728652 Kim Godby	Certified
9SSO10647	Active	731241 Kim Godby	Certified
9SSO10647	Active	731250 Kim Godby	Certified
9SSO10647	Active	731251 Kim Godby	Certified
9SSO10647	Active	734448 Kim Godby	Certified
9SSO10647	Active	735954 Kim Godby	Certified
9SSO10647	Active	746754 Kim Godby	Certified

T/R ANALYST, COLLECTION SYSTEM MANAGER
T/R ANALYST, COLLECTION SYSTEM MANAGER
T/R ANALYST, COLLECTION SYSTEM MANGER

Reclamation Supervisor
Recycled Water Programs Supervisor
Recycled Water Programs Supervisor
Recycled Water Programs Supervisor
Recycled Water Supervisor
Recycled Water Supervisor
Public Works Supervisor
PUBLIC WORK

Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
PW SUPERVISOR
Public Works Supervisor
Public Works Supervisor
Public Works Supervisor
PW Supervisor

Public Works Supervisor
Pump Maintenance Supervisor
Pump Maintenance Supervisor
public works supervisor
PW SUPERVISOR
Public Works Supervisor

Public Works Supervisor

Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
wastewater manager
Wastewater Manager
wastwater manager
Wastewater Supervisor
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager

LAKE FOREST	963584
LAKE FOREST	319736
LAKE FOREST	948537
San Diego	259024
San Diego, CA	792918
San Diego, CA 92127	832558
4S Ranch WWTP - San Diego	415752
San Diego, CA	746892
San Diego, CA	522060
2:25pm	241415
7:51am	561082
2:14pm	899036
12.13pm	846120
	9:40 AM 313421
City of Chula Vista; 1800 Maxwell Rd Chula Vista, Ca 91911	661437
2:44pm	696999
2:57pm	667551
2:58pm	593102
2:43PM	798821
1800 Maxwell Rd	857631
6:51am	619386
6:46am	524282
1800 Maxwell Rd	988076
1800 Maxwell rd.	936234
	806 760605
	941 587237
8:33am	379705
1:15pm / CORP YARD	407753
1800 Maxwell Rd.	474875
8:13am	554888
Coronado	383856
coronado	282377
Coronado, Ca	818142
coronado	193363
Coronado	499704
coronado	948333
coronado	689930
coronado	176958
coronado	738715
coronado	549737
City of Coronado	444249
coronado, ca	741629
Coronado	209736
Coronado	512141
Coronado	148027
Coronado	173039
Coronado	593156
Coronado	426527
Coronado	144359
Coronado	619607
coronado	535858

20-Nov-12	11/20/2012	20-Nov-12	11/20/2012
14-Jan-13	1/14/2013	14-Jan-13	1/14/2013
20-May-13	5/20/2013	20-May-13	5/20/2013
21-Aug-07		21-Aug-07	8/21/2007
6-Apr-10		6-Apr-10	2/10/2011
20-Apr-10		26-Apr-10	4/26/2010
24-Jun-10	6/24/2010	24-Jun-10	6/24/2010
12-Dec-12	12/12/2012	14-Dec-12	12/14/2012
5-Aug-13	8/5/2013	28-Aug-13	8/28/2013
16-Mar-07		16-Mar-07	3/26/2009
12-Apr-07		19-Apr-07	3/27/2009
5-Nov-07		7-Nov-07	3/26/2009
9-Jan-08		9-Jan-08	1/9/2008
13-Jun-08		27-Jun-08	6/27/2008
4-Dec-08		11-Dec-08	12/11/2008
11-Feb-09		24-Feb-09	2/24/2009
9-Nov-09		9-Nov-09	11/9/2009
2-Jan-10		11-Jan-10	1/11/2010
11-Feb-10		18-Feb-10	2/18/2010
29-Mar-10		5-Apr-10	4/5/2010
3-May-10		12-May-10	5/12/2010
5-May-10		12-May-10	5/12/2010
24-May-10	5/24/2010	2-Jun-10	6/2/2010
21-Jun-10	6/21/2010	22-Jun-10	
3-Sep-10	9/17/2010	17-Sep-10	9/17/2010
21-Feb-11	2/21/2011	23-Feb-11	2/23/2011
13-Jun-11	6/13/2011	28-Nov-11	11/28/2011
3-Feb-12	2/3/2012	7-Feb-12	2/7/2012
7-May-12	5/7/2012	16-May-12	5/16/2012
10-Oct-12	10/10/2012	22-Oct-12	10/22/2012
5-Nov-13	11/5/2013	6-Nov-13	
7-Nov-13	11/7/2013	13-Nov-13	11/13/2013
17-Nov-13	11/18/2013	18-Nov-13	
24-Nov-13	11/24/2013		
28-Mar-07		2-Apr-07	1/2/2008
28-Mar-07		2-Apr-07	1/2/2008
30-Apr-07		1-May-07	5/1/2007
27-Jun-07		27-Jun-07	6/27/2007
27-Jun-07		27-Jun-07	6/27/2007
10-Sep-07		10-Sep-07	9/10/2007
10-Sep-07		10-Sep-07	9/10/2007
30-Jan-08		30-Jan-08	1/30/2008
25-Feb-08		26-Feb-08	2/26/2008
25-Feb-08		26-Feb-08	2/26/2008
29-Jul-08		31-Jul-08	7/31/2008
3-Sep-08		3-Sep-08	9/3/2008
28-Oct-08		29-Oct-08	10/29/2008
28-Oct-08		29-Oct-08	10/29/2008
28-Oct-08		29-Oct-08	10/29/2008
30-Dec-08		13-Jan-09	1/13/2009
31-Dec-08		13-Jan-09	1/13/2009
31-Dec-08		13-Jan-09	1/13/2009
2-Mar-09		26-Mar-09	3/26/2009
6-Apr-09		9-Apr-09	4/9/2009
13-Nov-09		13-Nov-09	11/13/2009

Category 3		10	5
Category 1		50	0
Category 1		180	0
Category 1		720	100
Category 1		200	195
Category 2		7500	5000
Category 3		450	450
Category 2		2200	2200
Category 1		1800	600
Category 3		100	100
Category 1		5238	4000
Category 1		1500	1000
Category 3		100	100
Category 3		150	0
Category 3		50	50
Category 1		1500	700
Category 3		300	300
Category 1		400	350
Category 3		30	30
Category 3		90	20
Category 3		50	50
Category 1		25	20
Category 1		19594	15000
Category 3		25	20
Category 1		4000	3800
Category 3		16	16
Category 1		7050	1800
Category 3		50	0
Category 3		250	50
Category 1		80	55
Category 3	80	80	80
Category 2	0	1200	1200
Category 3	150	150	150
Category 1	0	1075	600
Category 3		200	200
Category 3		30	30
Category 3		50	50
Category 3		50	50
Category 3		10	10
Category 3		20	20
Category 3		60	60
Category 3		15	15
Category 3		20	20
Category 3		5	5
Category 3		50	50
Category 3		10	10
Category 3		60	60
Category 3		140	140
Category 3		50	50
Category 1		17000	15000
Category 1		1000	0
Category 3		40	40
Category 3		35	35
Category 3		40	40
Category 3		60	60

0 No	No
50 Yes	No
180 Yes	Yes
620 No	Yes
5 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
1200 Yes	No
0 No	No
1238 Yes	Yes
500 Yes	Yes
No	No
0 No	Yes
0 No	Yes
800 Yes	Yes
0 No	No
100 Yes	Yes
0 No	No
0 No	Yes
0 No	No
5 Yes	Yes
4594 Yes	Yes
0 No	No
200 Yes	Yes
0 No	Yes
5250 Yes	Yes
0 No	No
0 No	No
25 Yes	Yes
0 No	No
0 No	Yes
0 No	No
1075 Yes	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
2000 Yes	No
1000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No

[illegible]

VIA SAN GABRIEL
FREEWAY
PALM TERRACE
4S Ranch- Rancho Bernardo Road at Dove Canyon Road
Mid-Pont Pump Station
Neighborhood #3 Sewer Pump Station
4S Ralphs Ranch Road
Corner of 4S Ranch Parkway and Black Opal Road
Old Course Road and Bing Crosby Blvd.
Second Ave 426
Bonita Rd and Otay Lakes Rd
Otay Lakes Rd and Camino Elevado/Allen School
619 Broadway
Corral Ct.
940 Hilltop Dr.
BONITA CENTRE SHOPPING CENTER
236 East Oxford St
Melrose Ave. & Pine Ct.
8 Sierra Way
Parkside Dr.
Melrose Ave. and Telegraph Canyon Rd.
J St. Marina / The Galley at the Marina
Shea Homes Wolf Canyon
Rohr Park
Otay Lakes Rd
Reinstra Park Parking lot
Agua vista Pump Station
presbyterian church
444 Emerson
Colorado Ave
153 Glover Av
East Oxford St
El Norteno Taco Shop 2
Myra Ave & East Naples
800 block Second Street
535 C Avenue
900 block J/Alameda alley
411 Third Street
749 C Avenue
1212 Second Street
1107 Orange Avenue
247 Alameda Boulevard
SR75 Air Relief Valve
City Cleanout
1022 G Avenue
SR 75 Air Relief Valve
910 D Avenue
Pomona/Glorietta
1010 Alameda Boulevard
Boathouse 1887
Glorietta Bay Boat Ramp
Amphibious Base Gate One
Glorietta Bay Pump Station
North Beach station
Orange/D Alley

33.60478	-117.72101 Orange
33.60902	-117.69137 Orange
33.60024	-117.71652 Orange
33.074167	117.259722 San Diego
33.02204	-117.13331 San Diego
33.02612	-117.11748 San Diego
33.03624	-117.11286 San Diego
33.034282	-117.111948 San Diego
33.009176	-117.032543 San Diego
32.63799	-117.07446 San Diego
32.66044	-117.03096 San Diego
32.65812854	-117.0299485 San Diego
32.620613	-117.085419 San Diego
32.65025147	117.0357517 San Diego
32.62244035	-117.0589268 San Diego
32.66008411	117.0335595 San Diego
32.61606965	-117.0462644 San Diego
32.60809965	-117.0409497 San Diego
32.62552955	-117.0610379 San Diego
32.64745	-117.04216 San Diego
32.62883663	-117.0495821 San Diego
32.62574299	-117.1010269 San Diego
32.61409472	-116.9733791 San Diego
32.66526071	-117.032721 San Diego
32.65833083	-117.0300313 San Diego
32.60320701	-117.0474785 San Diego
32.66024693	-116.9413355 San Diego
32.62271315	-117.0597838 San Diego
32.61092564	-117.0747012 San Diego
32.62340398	-117.0921794 San Diego
32.64566	-117.08458 San Diego
32.61443	-117.05218 San Diego
32.600391	-117.068424 San Diego
32.611978	-117.046087 San Diego
32.698889	117.176944 San Diego
32.691667	117.174167 San Diego
32.69	117.187778 San Diego
32.698889	117.181111 San Diego
32.688611	117.175833 San Diego
32.696389	117.171111 San Diego
32.684167	117.178889 San Diego
32.7	117.181667 San Diego
32.630278	117.139444 San Diego
32.688333	117.176111 San Diego
32.687778	117.185278 San Diego
32.6325	117.140278 San Diego
32.6875	117.180833 San Diego
32.683056	117.174167 San Diego
32.689167	117.188333 San Diego
32.679167	117.175 San Diego
32.675556	117.169722 San Diego
32.673889	117.168056 San Diego
32.674444	117.168611 San Diego
32.686944	-117.191389 San Diego
32.695278	-117.175 San Diego

MANHOLE

MANHOLE No. 5

MANHOLE

Sewer Manhole on north slope approximately 70' from intersection of Rancho Bernardo Road and Dove Canyon Road
Spill occurred at Mid-Point Sewer Pump Station.

Spill occurred at the 4S Neighborhood #3 sewer pump station.

Spill occurred from a manhole cover at the intersection of Ralphs Ranch Road and 4S Ranch Parkway.

Location was in the middle of 4S Ranch Parkway. This is a residential area.

Spill occurred just east of the intersection of Old Course Road and Bing Crosby Boulevard in a residential neighborhood.
The SSO occurred when a hose bursted from a private contractor high-lining sewer from one manhole to the downstream
SSO occurred in the middle of the street, approximately 1000 feet south of Bonita Rd on Otay Lakes Rd.

SSO occurred in middle of intersection.

Sewer main (manhole) over flow / Containment of spill - estimated 100 gallons with-in the diameter of adjacent alley(s/o e
Spill generated out of public wastewater manhole junction located at 364 Corral Ct.

Spill generated out of public wastewater manhole junction located on the centerline of the street in front of 940 Hilltop Dr.,

Public sewer main running inside the Bonita Centre Shopping Center parking lot, grease the cause of blockage.

Residence 1424 Melrose Ave. (300 Gal.) Storm Drain Channel (100 Gal.)

Third sewer manhole from Pump Station #12 in the cul-de-sac of Parkside Dr.

Melrose Ave. / Telegraph Cyn. Rd. Manhole # 3365

Spill coming from cleanout located in parking lot at the Galley.

The sewer spill was located in private sewer manholes in an undeveloped construction area.

Park restroom located in lot B

Spill location at the manhole of the intersection of Camino Elevado and Otay Lakes Rd.

Forced Main cleanout cap was removed and spilled into parking lot area and held in place by curb and fully blocked drain

Spill originating from electrical failure at pump station erupted in street manhole

church play area behind 940 hilltop dr

An estimated 250 gals of sewage spilled out of manhole and toilets in private homes, due to public sewer main blockage.

SSO occurred at M/H 4126 in front of 681 Colorado Ave. in the middle of the street

153 Glover Ave

76 E. Oxford St. on paved street

private clean out in front of establishment (el norteno taco shop) 1266 Third Ave

Sewer spill from public sewer main @ manhole # 6036, estimated 20 gpm for 43 minutes total 1075 gals.

City main line in B/C alley

Sewer overflow from manhole pick hole

Cleanout at end of City main sewer line

Alley behind 247 Alameda, sewer seeping out of driveway seams

Air relief valve at side of highway

manhole (Second and Vance). About 2

address). An additional 15 gallons travel

, just south of the Donohoe St. intersecti

Sewage spilled unto an unpaved street

1
1
1
1

Manhole
Manhole
Gravity sewer;Manhole
Manhole
Pump station
Pump station
Manhole
Manhole
Force main or pressure sewer
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Other (specify)
Building or structure
Building or structure
Manhole
Manhole
Other (specify)
Manhole
Building or structure
Manhole
Force main or pressure sewer
Gravity sewer;Manhole
Other sewer system structure
Building or structure;Manhole
Manhole
Lateral Clean Out (Private)
Gravity Mainline
Lateral Clean Out (Private)
Gravity Mainline;Manhole
Manhole
Building or structure
Manhole
Other (specify)
Other (specify)
Manhole
Manhole
Other (specify)
Force main or pressure sewer
Other sewer system structure
Manhole
Force main or pressure sewer
Other (specify)
Gravity sewer
Manhole
Manhole
Manhole
Force main or pressure sewer
Other (specify)
Force main or pressure sewer
Gravity sewer

The hose bursted on the city's parkway and eventually overflowing onto the street gutter.
N/A

City vehicle # 2913(combination vehicle, vactor), mechanical door lock for rear door hatch failed and released sewage ali

cleanout overflowing in parking lot 550 Marina Parkway

Clean out at end of sewer main

Cleanout
Private property cleanout

Seeping up between alley and driveway

City cleanout

Through driveway grates

Pump bypass hose

Other (specify below)
Other (specify below)
Separate storm drain;Surface water
Storm drain
Separate storm drain
Building or structure;Storm drain;Unpaved surface
Storm drain
Separate storm drain;Street/curb and gutter
Surface water
Street/curb and gutter
Surface water
Storm drain;Surface water
Other paved surface;Street/curb and gutter
Storm drain;Street/curb and gutter;Other (specify below)
Storm drain;Street/curb and gutter
Storm drain
Street/curb and gutter
Storm drain
Street/curb and gutter
Other (specify below)
Street/curb and gutter
Storm drain
Other (specify below)
Unpaved surface
Other (specify below)
Other paved surface
Surface water
Unpaved surface
Building or structure;Unpaved surface
Separate storm drain;Street/curb and gutter
Street/Curb and Gutter
Other (specify below)
Separate Storm Drain
Drainage Channel;Separate Storm Drain
Street/curb and gutter
Other paved surface
Other (specify below)
Street/curb and gutter
Street/curb and gutter
Other (specify below)
Other (specify below)
Street/curb and gutter
Other (specify below)
Other (specify below)
Street/curb and gutter
Other paved surface
Other paved surface
Other (specify below)
Street/curb and gutter
Surface water
Surface water
Other paved surface
Street/curb and gutter
Beach
Other paved surface

SPILL CONTAINED TO SITE. MOSTLY GRASS LANDSCAPE.
ALISO CREEK

The SSO traveled about 325 feet northbound, then about 175 feet westward. The private contractors were able to stop the SSO
N/A

Final destination of the SSO into Chula Vista Golf Course, which ties into the Sweetwater River.

undeveloped canyon.

The sewage entered a storm drain inlet in front of 587 Parkside Dr.. it traveled 225 feet and it was absorbed by the debris in

The SSO entered three storm channel basins adjacent to the point of origin.

SSO entered storm drain inlet and traveled about 1,465 feet into the City of Chula/Bonita Golf Course. There is a storm drain
Curbed area of parking lot

The SSO traveled about 250 ft. into a concrete & dirt brow ditch. 25 gal. was absorbed by the dirt and debris in storm drain

Catch Basin

diversion structure, diverted to sanitary sewer system

Vactor tank

Vactor tank

Used vactor to clean up spill

Returned to sewer

Trench around main line

11/1/2012 13:55	11/1/2012 14:00	11/1/2012 14:05	11/1/2012 14:05
1/14/2013 0:00	1/14/2013 9:55	1/14/2013 9:55	1/14/2013 10:00
5/20/2013 0:00	5/20/2013 7:20	5/20/2013 7:25	5/20/2013 8:30
8/19/2007 21:00	8/19/2007 21:30	8/19/2007 21:45	8/19/2007 23:30
3/23/2010 0:00	3/23/2010 11:35	3/23/2010 11:35	3/23/2010 11:35
4/17/2010 0:00	4/17/2010 7:50	4/17/2010 7:50	4/17/2010 7:52
5/26/2010 0:00	5/26/2010 15:50	5/26/2010 15:55	5/26/2010 16:30
12/9/2012 0:00	12/9/2012 11:20	12/9/2012 11:35	12/9/2012 12:30
8/1/2013 11:00	8/1/2013 12:00	8/1/2013 11:50	8/1/2013 13:15
3/16/2007 9:30	3/16/2007 9:40	3/16/2007 9:50	3/16/2007 10:00
4/12/2007 7:45	4/12/2007 7:50	4/12/2007 8:10	4/12/2007 8:15
11/5/2007 11:00	11/5/2007 11:11	11/5/2007 11:15	11/5/2007 11:30
12/30/2007 11:00	12/30/2007 11:38	12/30/2007 12:14	12/30/2007 12:15
6/13/2008 11:00	6/13/2008 11:05	6/13/2008 11:25	6/13/2008 11:30
12/4/2008 9:30	12/4/2008 9:30	12/4/2008 9:35	12/4/2008 9:40
2/10/2009 0:00	2/11/2009 8:47	2/11/2009 8:57	2/11/2009 9:00
11/9/2009 11:15	11/9/2009 11:15	11/9/2009 11:15	11/9/2009 11:15
1/2/2010 0:00	1/2/2010 12:30	1/2/2010 1:00	1/2/2010 2:30
2/11/2010 8:20	2/11/2010 8:44	2/11/2010 8:55	2/11/2010 8:44
3/29/2010 8:00	3/29/2010 8:15	3/29/2010 8:25	3/29/2010 8:30
5/3/2010 0:00	5/3/2010 12:10	5/3/2010 12:15	5/3/2010 12:20
5/4/2010 0:00	5/4/2010 6:40	5/4/2010 7:10	5/4/2010 7:31
5/11/2010 0:00	5/13/2010 9:25	5/13/2010 9:45	5/13/2010 9:55
6/20/2010 0:00	6/20/2010 7:40	6/20/2010 8:20	6/20/2010 8:35
9/3/2010 0:00	9/3/2010 10:30	9/3/2010 10:30	9/3/2010 10:30
2/19/2011 0:00	2/21/2011 8:56	2/21/2011 8:56	2/21/2011 8:56
6/12/2011 21:40	6/12/2011 21:15	6/12/2011 22:45	6/12/2011 22:50
2/3/2012 0:00	2/3/2012 4:00	2/3/2012 4:20	2/3/2012 4:40
5/6/2012 9:00	5/6/2012 10:40	5/6/2012 11:15	5/6/2012 11:18
10/9/2012 0:00	10/9/2012 20:45	10/9/2012 20:45	10/9/2012 20:45
11/5/2013 1:00	11/5/2013 1:00	11/5/2013 1:30	11/5/2013 1:30
11/7/2013 8:50	11/7/2013 8:55	11/7/2013 9:05	11/7/2013 9:10
11/15/2013 19:30	11/15/2013 20:40	11/15/2013 21:10	11/15/2013 21:11
11/24/2013 8:35	11/24/2013 8:50	11/24/2013 9:15	11/24/2013 9:17
2/16/2007 9:00	2/16/2007 10:30	2/16/2007 10:35	2/16/2007 11:00
2/27/2007 7:00	2/27/2007 8:40	2/27/2007 8:45	2/27/2007 8:50
3/14/2007 0:00	3/14/2007 10:40	3/14/2007 11:00	3/14/2007 11:05
5/24/2007 17:00	5/24/2007 18:00	5/24/2007 18:20	5/24/2007 18:20
5/28/2007 11:00	5/28/2007 11:25	5/28/2007 11:30	5/28/2007 11:55
8/22/2007 8:50	8/22/2007 8:55	8/22/2007 9:05	8/22/2007 9:10
8/29/2007 9:15	8/29/2007 9:25	8/29/2007 9:30	8/29/2007 9:40
12/11/2007 10:20	12/11/2007 10:30	12/11/2007 10:40	12/11/2007 10:40
1/25/2008 9:15	1/25/2008 9:40	1/25/2008 9:50	1/25/2008 10:00
1/26/2008 0:00	1/26/2008 16:15	1/26/2008 16:30	1/26/2008 16:40
6/7/2008 14:30	6/7/2008 15:30	6/7/2008 16:00	6/7/2008 16:15
7/16/2008 0:00	7/16/2008 14:00	7/16/2008 14:10	7/16/2008 14:15
9/27/2008 8:00	9/27/2008 9:30	9/27/2008 10:36	9/27/2008 10:45
10/3/2008 9:30	10/3/2008 11:00	10/3/2008 11:15	10/3/2008 13:00
10/15/2008 8:30	10/15/2008 8:35	10/15/2008 8:45	10/15/2008 9:15
12/30/2008 0:00	12/30/2008 6:30	12/30/2008 6:50	12/30/2008 8:30
12/30/2008 0:00	12/30/2008 6:30	12/30/2008 6:50	12/30/2008 7:30
12/30/2008 11:00	12/30/2008 11:00	12/30/2008 11:00	12/30/2008 11:03
1/16/2009 9:30	1/16/2009 9:30	1/16/2009 9:30	1/16/2009 9:31
2/10/2009 11:45	2/10/2009 11:45	2/10/2009 12:00	2/10/2009 11:46
9/28/2009 8:00	9/28/2009 9:23	9/28/2009 9:25	9/28/2009 9:35

Root intrusion
Operator error
Root intrusion
Debris
Operator error
Pump station failure
Debris-Rags
Debris-General
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Root intrusion
Pump station failure
Grease deposition (FOG)
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Vandalism
Pump station failure
Root intrusion
Root intrusion
Other (specify below)
Debris from Lateral
Root Intrusion
Grease Deposition (FOG)
Other (specify below)
Grease deposition (FOG)
Debris
Grease deposition (FOG)
Debris
Debris
Debris
Grease deposition (FOG)
Grease deposition (FOG)
Pipe structural problem/failure
Root intrusion
Root intrusion
Other (specify below)
Debris
Other (specify below)
Grease deposition (FOG)
Pump station failure
Pump station failure
Pipe structural problem/failure
Operator error
Operator error
Debris-Rags

New sewer system filled with gravel and construction debris.

Spill was due to a valve closed when it was thought to be open. It occurred during a wetwell cleaning event.

Force main failure.

Private contractor's high-line hose broke/disconnected.

Malfunction of a sewer meter was restricting flow, eventually causing sewage to overflow out of manhole.

CCTV investigated the line segment of the SSO. There was no indication of any root intrusion or any other cause of the S

Mechanical failure, one of 4 door locks to rear door hatch failed to lock.

Root infiltration through sewer main end stub @ manhole # 5538 (start of line), roots infiltrated manhole causing blockage

Electrical malfunction in the pump station

Root intrusion in to sewer manhole # 3952, roots blocked sewer lateral that taps in to manhole causing back up of lateral

A siphon and gravel bags were not removed from the private contractor/or developer causing the blockage.

Toilet Paper / Tee Shirt

SSO is unknown at this time. CCTV the line segment and did not find any obstruction that would cause a blockage. Possi

Cap was in appropriately removed from cleanout box

it appears to be a combination of some grease and more debris-rags that have caused the SSO.

Plug was broken earlier that day. Plumber did not clean up area left a mess in property and curb line.

Unknown

and grease

with roots and rags

Air relief valve failed

Roots and 'baby wipes'

Air relief valve failure

Rags and leaves

Contractor working in area broke sewer main pipe

Operator of beach loader sheared off top of pipe, pipe overflowed when pumps were activated

Roots, and grease

Lower Lateral
Other (specify below)
Main

Other (specify below)
Other (specify below)
Main
Main
Other (specify below)

Main
Main
Other (specify below)
Other (specify below)
Main
Other (specify below)
Other (specify below)

Other (specify below)
Main

Main
Other (specify below)
Other (specify below)
Main
Main
Main
Lower Lateral (Public)
Manhole
Other (specify below)
Gravity Mainline

Main
Main
Main
Main
Main
Other (specify below)
Other (specify below)
Other (specify below)

Main
Main

ETWD'S FREEWAY SEWAGE PUMP STATION. THE OPERATOR ACCIDENTALLY LEFT THE PUMP SWITCHES (

The failure occurred at a pump station during a wetwell cleaning event.
Spill occurred at sewer pump station.

Failure occurred on section of 12 inch pipeline.

Between the 2nd and 3th manhole from the start of sewer main segment in the parking lot of shopping center. McDonald's
Equipment

Roots in public Manhole, start of Sewer Main Line. Private lateral connected directly into public manhole.
Electrical malfunction in the pump station

In the sewer manhole

Crews were performing reg. maintenance about 1/4 mile around the area. When refilling the Combo. truck with water, the
Forced Main
Pump station due to Electrical component failure

private lower lateral

Loss of signal to pumps from leveling system
Signal from leveling system to pumps lost
Air relief valve

OFF WHILE WORKING ON

6 PVC

6 VCP

8 pvc

8 PVC

12

4 Rubber hose

8 VCP

8 VCP

8 Plastic

8 VCP

s and Romesco's (restuarant

8 VCP

crew noticed a small amour

4 ABS

No

No

No

No

8 vcp

1

10

15

[illegible]

Once the spill was noticed, operators sandbagged the spill and cleaned up utilizing the vac truck that was onsite.

City's compliance Officer was on site to determine the cause of the spill. The city will issue an FCR (full cost recovery) for
N/A
N/A

Combination vehicle (vacator #2913) was assisting construction crew repair sewer main line by restricting the sewage flow from
Main line blockage, most of spill located inside 1424 Melrose Ave. Relieved blockage, contained outside spill recovered
City staff contained, cleaned and disinfected area affected by spill. Repair work has been scheduled for the week of Feb

Shea Homes cleaned all of the private sewer system using a wayne ball method.
City crews broke plug vacuumed up spill and disinfected contaminated area

I included other because the remaining SSO (25 ga) was absorbed in the brow ditch and storm drain pipe.

Repaired damaged pipe

1/14/2013 10:00
5/20/2013 9:20
8/20/2007 3:00
3/23/2010 11:50
4/17/2010 11:30

12/9/2012 17:00
8/1/2013 14:30

4/12/2007 0:00
11/5/2007 11:15

6/13/2008 14:30

2/11/2009 13:30

1/2/2010 7:00

3/29/2010 0:00

5/4/2010 10:31
5/13/2010 0:00

9/3/2010 11:00

6/13/2011 5:45

10/9/2012 23:25

11/7/2013 1:45

11/24/2013 11:30

12/30/2008 12:00
12/30/2008 0:00

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Other (specify below)
Other (specify below)

Adjusted schedule/method of preventive maintenance
Repaired sewer;Other (specify below)

Other (specify below)
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)
Other (specify below)

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program;Other (specify below)

Inspected Sewer Using CCTV to Determine Cause

Other (specify below)

Other (specify below)
Other (specify below)

Clean and video all tributary sewer system

Review operator valve procedures.

We have added an additional alarm call out to our SCADA network. In addition, we plan on adding a manhole hole detect

District will explore force main cleaning options.

Removed meter, investigated the cause of the malfunction to the meter and frequently inspect installed meters.

Flushed the main.

Review electrical and scada mechanism

Corrective action will be responsibility of Port District

Removed siphon out of the manhole and restored flow

CCTV entire sewer system to try to determine the SSO.

Replaced defective component in pump station

CCTV the sewer main to determine the actual cause of SSO. The line segment was CCTV and cleaned by combination \

Schedule CCTV of Sewer Main Monday morning 11/25/2013

Replaced faulty leveling system, added secondary alarm to pump station.

Replaced faulty leveling system. Installed secondary alarm in pump station.

Yes
Yes
No
No
No

No
No

Yes
Yes

No

Yes

Yes

Yes

No
No

Yes

Yes

Yes

No

No

Yes
Yes

NA
NO PROBLEMS OBSERVED BY ETWD STAFF.
COULD NOT BE DETERMINED.

A small portion of the spill made its way to a nearby storm drain, however the vac truck was able to remove this prior to n
A small unnamed creek in the vicinity of the spill did not appear to be impacted. No visual or odor impacts were noted.

Creek bed did not show any signs of sewer. Creek bed appeared to be almost completely dry. Heavy shrubs did prevent c
N/A
None
None

N/A

N/A

None. inspected the Golf course and did not find any impact.

N/A-

No
No
No
No
Yes

No
No

Yes
Yes

No

No

No

No

No
Yes

Yes

Yes

No

No

No

Yes
Yes

NA
NA
NA
NA
N/A
NA

N/A
N/A

NA

N/A

N/A

N/A

J St. Marina

N/A, as a precautionary, the city posted contaminated signs around the three storm channel basins.

N/A

N/A

N/A

Glorietta Bay beach
Glorietta Bay beach

NA
ALISO CREEK
ALISO CREEK
NA
N/A

A small unnamed creek in the vicinity of the spill did not appear to be impacted. No visual or odor impacts were noted.

None
Some of the spill may have reached un-named creek bed.

Sweetwater River at the Chula Vista Golf Course. Golf course staff was notified of spill and approx. 1000 ft signs posted f
Sweetwater River at the Chula Vista Golf Course, staff was notified of the spill and posted signs for a minimum of 3 days.

NA

Unknown at this time.

Spruce Storm Channel

N/A

J St. Marina
N/A

The brow ditch at the golf course ties into a tributary to the Sweetwater River (several thousand feet down stream).

N/A
Upper Otay Lake
n/a
N/A

J St. Marina- I inspected the open concrete channel that is approx. 460ft down stream from where the SSO entered the si

Glorietta Bay
Glorietta Bay

No water quality samples taken
No water quality samples taken
Not applicable to this spill
No water quality samples taken
Other (specify below)

No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

Biological indicator(s) - specify below
Biological indicator(s) - specify below

We collected samples for TDS and total coliform.

No Samples required by the San Diego Department of Environmental Health.
No samples required by San Diego Dept. of Environmental Health

coliform

Bacteria, total coliforms, fecal coliforms, enterococcus
Bacteria - total coliforms, fecal coliforms, enterococcus

No water quality samples taken
No water quality samples taken
None of the above
None of the above
None of the above

None of the above
None of the above

None of the above
None of the above

Not applicable to this spill

No water quality samples taken

No water quality samples taken

None of the above

No water quality samples taken
None of the above

None of the above

None of the above

None of the above

No water quality samples taken

County Health Agency
County Health Agency

N/A
N/A

N/A

In Process

102422 4/17/2010 10:30

127520 12/9/2012 14:00

134748 8/1/2013 13:51

72270 4/12/2007 9:57

76804 11/5/2007 12:30

84206 6/13/2008 12:03

91180 2/11/2009 12:35

97525 11/9/2009 13:53

100020 1/2/2010 4:22

101097 2/11/2010 14:40

102794 5/4/2010 8:37

102982 5/13/2010 11:15

103761 6/21/2010 8:10

105301 9/3/2010 12:26

113526 6/13/2011 6:25

120702 2/3/2012 5:40

122701 5/6/2012 1:48

137266 11/24/2013 11:09

89237 12/30/2008 9:25

89237 12/30/2008 9:25

89237 12/30/2008 9:25

Steve Padilla Supervisor
Mark W. Sanchez Public Works Supervisorf
Rudy Cancio
Rudy Cancio

6193976020
6193976025
6193976026
6195405249

9SSO10647	Active	746756 kim godby	Certified
9SSO10647	Active	751167 Kim Godby	Certified
9SSO10647	Active	752791 kim godby	Certified
9SSO10647	Active	752848 Kim Godby	Certified
9SSO10647	Active	755670 Kim Godby	Certified
9SSO10647	Active	759199 kgodby	Certified
9SSO10647	Active	762239 K. Godby	Certified
9SSO10647	Active	762240 K. Godby	Certified
9SSO10647	Active	762244 Kim Godby	Certified
9SSO10647	Active	772780 KGodby	Certified
9SSO10647	Active	773244 Kim Godby	Certified
9SSO10647	Active	775419 Kim Godby	Certified
9SSO10647	Active	775422 Kim Godby	Certified
9SSO10647	Active	775423 Kim Godby	Certified
9SSO10647	Active	788044 Kim Godby	Certified
9SSO10647	Active	789426 Kim Godby	Certified
9SSO10647	Active	789428 Kim Godby	Certified
9SSO10647	Active	792005 Kim Godby	Certified
9SSO10647	Active	792307 Kim Godby	Certified
9SSO10647	Active	792308 Kim Godby	Certified
9SSO10647	Active	793109 Kim Godby	Certified
9SSO10647	Active	793289 Kim Godby	Certified
9SSO10647	Active	793822 Kim Godby	Certified
9SSO10648	Active	654296 David L. Scherer	Certified
9SSO10648	Active	655697 David L. Scherer	Certified
9SSO10648	Active	710165 David L. Scherer	Certified
9SSO10648	Active	710599 David L. Scherer	Certified
9SSO10648	Active	716300 David L. Scherer	Certified
9SSO10648	Active	721412 David L.Scherer	Certified
9SSO10648	Active	728641 David L. Scherer	Certified
9SSO10648	Active	730590 David L. Scherer	Certified
9SSO10648	Active	730710 David L.Scherer	Certified
9SSO10648	Active	731778 David L. Scherer	Certified
9SSO10648	Active	759080 David L. Scherer	Certified
9SSO10648	Active	760326 David L. Scherer	Certified
9SSO10648	Active	771472 Eric Minicilli	Certified
9SSO10648	Active	775431 Eric Minicilli	Certified
9SSO10648	Active	775575 Eric Minicilli	Certified
9SSO10648	Active	777106 Eric Minicilli	Certified
9SSO10648	Active	780771 Eric Minicilli	Certified
9SSO10648	Active	787382 Eric Minicilli	Certified
9SSO10648	Active	798226 Eric Minicilli	Certified
9SSO10649	Active	656395 Robert W. Griswold	Certified
9SSO10649	Active	705564 Robert Griswold	Certified
9SSO10649	Active	706771 Robert Griswold	Certified
9SSO10649	Active	707212 Robert W. Griswold	Certified
9SSO10649	Active	719197 Robert W Griswold	Certified
9SSO10649	Active	727683 Robert W. Griswold	Certified
9SSO10649	Active	755702 Robert W. Griswold	Certified
9SSO10649	Active	756810 Robert Griswold	Certified
9SSO10649	Active	759747 Robert W. Griswold	Certified
9SSO10649	Active	764004 Jose Ornelas	Certified
9SSO10649	Active	771986 Jose Ornelas	Certified
9SSO10649	Active	781585 Jose Ornelas	Certified
9SSO10650	Active	653552 Shawn Atherton	Certified

Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
Wastewater Manager
wastewater manager
Manager
Manager
Manager
Manager
Manager
Manager
Manager
Manager
Manager
Manager
Manager
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Manager
Manager
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Work Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Director of Public Works
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Public Works Director
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Senior Engineering Technician
Engineer Aide
Engineering Technician
Engineering Technician
Utility Superintendent

Coronado	509338
Coronado	531262
coronado	975897
coronado	726954
Coronado	611351
coronado	374964
Coronado	711702
Coronado	842250
coronado	276286
Coronado	878023
Coronado	794005
Coronado	570070
Coronado	166897
Coronado	942496
Coronado	385596
Coronado	962131
Coronado	990798
Coronado	209076
Coronado	151874
Coronado	793093
Coronado	234078
Coronado	180538
Coronado	425027
City of Del Mar	297932
City of Del Mar	941894
City of Del Mar	562099
City of Del Mar	218934
City of Del Mar	911090
City of Del Mar	583369
City of Del Mar	503104
City of Del Mar	283124
City of Del Mar	267585
City of Del Mar	236882
City of Del Mar, California	212291
City of Del Mar	501489
Del Mar	839183
City of Del Mar	448207
City of Del Mar	308969
City of Del Mar	978188
Del Mar	814850
City of Del Mar	909012
City of Del Mar	728123
200 Civic Center Way, El Cajon, CA	137940
200 E Main St, El Cajon, CA 92020	525671
200 E Main Street, El Cajon, CA 92020	155184
200 E Main St, El Cajon, CA 92020	845082
200 E Main Street, El Cajon, CA	240861
200 E Main St, El Cajon	903145
200 Civic Center Way, El Cajon, CA	275861
200 Civic Center Way, El Cajon, CA 92020	932854
City Hall, 200 Civic Center Way, El Cajon, CA 92020	144509
200 Civic Center Way, El Cajon, CA 92020jon	373952
200 Civic Center Way, El Cajon, CA 92020	713271
200 Civic Center Way, El Cajon, CA 92020	161154
City of Encinitas	675317

13-Nov-09		13-Nov-09	11/13/2009
31-Mar-10		1-Apr-10	4/1/2010
28-May-10	5/28/2010	1-Jun-10	6/1/2010
1-Jun-10	6/1/2010	2-Jun-10	6/2/2010
30-Jul-10	7/30/2010	3-Aug-10	8/3/2010
8-Dec-10	12/8/2010	27-Dec-10	12/27/2010
31-Jan-11	1/31/2011	7-Apr-11	4/7/2011
31-Jan-11	1/31/2011	7-Apr-11	4/7/2011
31-Jan-11	1/31/2011	1-Feb-11	2/1/2011
4-Nov-11	11/4/2011	7-Nov-11	11/7/2011
18-Nov-11	11/18/2011	22-Nov-11	11/22/2011
5-Jan-12	1/5/2012	5-Jan-12	1/5/2012
5-Jan-12	1/5/2012	5-Jan-12	1/5/2012
5-Jan-12	1/5/2012	5-Jan-12	1/5/2012
14-Nov-12	11/14/2012	15-Nov-12	11/15/2012
26-Dec-12	12/26/2012	3-Jan-13	1/3/2013
26-Dec-12	12/26/2012	3-Jan-13	1/3/2013
25-Feb-13	2/25/2013	25-Feb-13	2/25/2013
1-Mar-13	3/1/2013	24-Jul-13	7/24/2013
1-Mar-13	3/1/2013	1-Mar-13	3/1/2013
2-Apr-13	4/2/2013	2-Apr-13	4/2/2013
10-Apr-13	4/10/2013	12-Apr-13	4/12/2013
2-May-13	5/2/2013	2-May-13	5/2/2013
17-Jul-07		19-Jul-07	7/14/2008
13-Aug-07		13-Aug-07	5/6/2008
21-Dec-07		21-Dec-07	7/14/2008
2-Jan-08		2-Jan-08	7/14/2008
21-Apr-08		21-Apr-08	5/6/2008
3-Jul-08		7-Jul-08	7/8/2008
28-Oct-08		3-Nov-08	11/3/2008
16-Dec-08		17-Dec-08	12/17/2008
18-Dec-08		18-Dec-08	12/18/2008
13-Jan-09		20-Jan-09	1/20/2009
3-Dec-10	12/3/2010	3-Jan-11	1/3/2011
6-Jan-11	1/6/2011	6-Jan-11	1/6/2011
26-Sep-11	9/26/2011	27-Sep-11	9/27/2011
5-Jan-12	1/5/2012	5-Jan-12	1/5/2012
9-Jan-12	1/10/2012	10-Jan-12	1/10/2012
9-Feb-12	2/9/2012	9-Feb-12	2/9/2012
30-Apr-12	4/30/2012	30-Apr-12	4/30/2012
22-Oct-12	10/22/2012	22-Oct-12	10/22/2012
27-Aug-13	9/3/2013	1-Oct-13	10/1/2013
28-Aug-07		28-Aug-07	12/20/2010
17-Oct-07		17-Oct-07	10/17/2007
29-Oct-07		29-Oct-07	10/29/2007
6-Nov-07		6-Nov-07	11/6/2007
9-Jun-08		9-Jun-08	6/9/2008
9-Oct-08		9-Oct-08	10/9/2008
3-Aug-10	8/3/2010	3-Aug-10	12/21/2010
15-Sep-10	9/15/2010	15-Sep-10	9/15/2010
22-Dec-10	12/22/2010	6-Jan-11	5/13/2011
4-Mar-11	3/4/2011	4-Mar-11	3/4/2011
13-Oct-11	10/13/2011	27-Oct-11	10/27/2011
23-May-12	5/23/2012	5-Jun-12	6/5/2012
3-Jul-07		3-Jul-07	12/2/2010

Category 3	200	200
Category 3	2	2
Category 3	100	100
Category 3	200	200
Category 3	10	10
Category 3	20	20
Category 3	400	400
Category 3	150	150
Category 1	200	100
Category 1	5	0
Category 1	200	150
Category 3	10	10
Category 3	25	25
Category 3	20	20
Category 3	15	15
Category 3	20	20
Category 3	200	200
Category 3	20	20
Category 3	20	20
Category 3	20	20
Category 3	8	8
Category 3	10	10
Category 3	200	200
Category 3	40	40
Category 3	10	10
Category 3	84	84
Category 3	120	120
Category 3	90	0
Category 3	8	0
Category 3	300	300
Category 1	1764	1500
Category 1	414	0
Category 2	1125	1125
Category 3	80	80
Category 3	50	0
Category 1	975	0
Category 3	400	400
Category 3	100	50
Category 3	100	100
Category 3	120	0
Category 1	300	0
Category 3	525	225
Category 3	20	10
Category 3	20	0
Category 3	30	30
Category 1	150	100
Category 3	20	20
Category 3	5	5
Category 1	150	120
Category 3	40	0
Category 1	135000	2000
Category 3	1	1
Category 3	60	0
Category 3	20	0
Category 1	330	100

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
100 Yes	No
5 Yes	No
50 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
264 Yes	Yes
414 Yes	Yes
0 No	Yes
0 No	No
0 No	No
975 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
300 Yes	Yes
0 No	No
0 No	No
No	No
No	No
50 Yes	Yes
0 No	No
0 No	No
30 Yes	Yes
0 No	No
133000 Yes	Yes
0 No	No
0 No	No
0 No	No
230 Yes	Yes

[illegible]

SR 75 Air Vault
 Air Relief Valve SR 75
 271 D Avenue
 745 G Avenue
 Night and Day Cafe
 900 Block of Alameda in alley
 Manhole and Cleanout at 242 Orange Ave
 700 Orange Avenue Manhole
 1701 Strand Way Manhole #821
 Boathouse Restaurant/Glorietta Bay
 SR75 HIGHWAY
 1014 OLIVE LANE
 BRIGANTINE SEAFOOD RESTAURANT
 GOLF COURSE
 521 PALM AVE
 525 PALM AVENUE
 700 ORANGE AVE
 277 C Ave
 IN GOOD TASTE
 IN GOOD TASTE
 540 G AVE
 1221 4th STREET
 900 BLOCK OF J AVENUE
 City of Del Mar (GIS map B5-01 c.o.)
 Del Mar GIS Map page B6-04 c.o. (sewer main clean out)
 near 366 Luzon Ave., Del Mar, CA 92014, GIS map manhole B5-18
 390 Stratford Court at 4th Street
 368 Serpentine (back yard of residence), Del Mar, CA 92014
 Del Mar GIS Map page B6-04 c.o. (sewer main clean out)
 Manhole City of Del Mar GIS Map B10-80 at end of Sherrie Lane.
 Manhole B10-15 on East side of NB Camino Del Mar, just north of La Amatista Road
 Lateral clean-out at 1145 Camino Del Mar
 1905 Zapo Street (clean out)
 2115 Balboa Avenue, City of Del Mar, CA 92014, city clean-out GIS Map B5-05 c.o.
 City of Del Mar - Sanitary sewer system GIS Map B6-04 c.o.
 710 Camino del Mar, Del Mar, CA 92014
 Seaside Yoghurt at 1231 Camino del Mar
 Sewer main clean out B5-05 c.o., at 2115 Balboa Ave., Del Mar, CA 92014
 B10-05 c.o. (Clean out located between 526 Stratford Ct and 157 6th ST
 B10-05 c.o. (Clean out located between 526 Stratford Ct and 157 6th ST)
 1309 Luneta Drive, Del Mar, CA 92014 (Manhole A7-41)
 535 Serpentine Drive
 sewer main segment in Hosmer Street (segment 03-092 to 03-093-C)
 Behind 811 Murray Drive, El Cajon, CA 92020
 Manhole near city limit, Fletcher Parkway at La Mesa
 Manhole near city limit, Fletcher Parkway at La Mesa
 Ball Field at 2378 Center Place
 Avocado Avenue at Alzada
 Brockton Street and Fletcher Parkway
 1996 Milford Place, El Cajon, CA 92020
 North Johnson Avenue Trunk Sewer
 1043 Eastside Rd.
 1930 Quidort Court
 640 Avocado Avenue
 3049 Camino Del Rancho, Manhole #389

32.630278	-117.139167 San Diego
32.649722	-117.149444 San Diego
32.696111	-117.174444 San Diego
32.690833	-117.181944 San Diego
32.687778	-117.178333 San Diego
32.689722	-117.188056 San Diego
32.813611	-117.174167 San Diego
32.696111	-117.170278 San Diego
32.67829	-117.17391 San Diego
32.679653	-117.175253 San Diego
32.634883	-117.141422 San Diego
32.687778	-117.185556 San Diego
32.682778	-117.178333 San Diego
32.684722	-117.166111 San Diego
32.683333	-117.166667 San Diego
32.693403	-117.177631 San Diego
32.688889	-117.188056 San Diego
32.695278	-117.171944 San Diego
32.684444	-117.178889 San Diego
32.684444	-117.178889 San Diego
32.69235	-117.186111 San Diego
32.693836	-117.172881 San Diego
32.690167	-117.187672 San Diego
32.966389	-117.264167 San Diego
32.962778	-117.263333 San Diego
32.965833	-117.263333 San Diego
32.947538	-117.262553 San Diego
32.963333	-117.263889 San Diego
32.962778	-117.263333 San Diego
32.950036	-117.264615 San Diego
32.950278	-117.261667 San Diego
32.956239	-117.263823 San Diego
32.964665	117.261429 San Diego
32.967411	-117.262756 San Diego
32.962971	-117.263357 San Diego
32.950588	-117.261772 San Diego
32.956983	-117.264205 San Diego
32.96741	-117.262757 San Diego
32.949216	-117.263164 San Diego
32.949213	-117.263164 San Diego
32.958425	-117.262732 San Diego
32.963622	-117.260932 San Diego
32.80159	-116.99867 San Diego
32.784672	-116.982319 San Diego
32.796988	-117.001923 San Diego
32.796988	-117.001923 San Diego
32.800527	-116.996988 San Diego
32.771118	-116.958295 San Diego
32.803136	-116.995273 San Diego
32.803296	-116.991039 San Diego
32.80924	-116.97151 San Diego
32.809145	-116.983256 San Diego
32.79903	-116.98976 San Diego
32.7887	-116.95797 San Diego
33.056111	-117.220556 San Diego

CO 65 and MH 65

San Diego Bay

FORCE MAIN RELIEF VALVE #3

SEWER BUBBLING OUT OF MANHOLE

SEWER BACK UP NOT DRAINING

SEWER COMING OUT OF CLEAN OUT

WATER COMING OUT OF BOX

SEWER BACK UP

CLEAN OUT

FLOOR DRAIN AND CLEAN OUT

FLOOR DRAIN AND CLEAN OUT

BACKUP TO CLEAN OUT

SEWER BACK UP AT 4TH AND B AVE.

SEWER OVERFLOW OR BLACKAGE IN THE ALLEY

Sewer main clean out known as B6-04 in Del Mar GIS map book

Sewer main manhole GIS map B5-18

In lowest floor of building at 390 Stratford Ct.

Back yard of private residence at 368 Serpentine Drive, Del Mar, CA 92014

Sewer main clean out known as B6-04 c.o. in Del Mar GIS map book

Water flowed at 5 gpm from manhole B10-80 at west end of Sherrie Lane.

Del Mar GIS map Manhole MH-B10-15, located on east side of Northbound Camino Del Mar, just north of La Amatista Rd

Lateral clean-out at 1145 Camino Del Mar

SSO occurred from clean out (c.o.) of property at 1905 Zapo Street, after blockage in main was cleared. the volume built

Spill occurred from a Clean Out of City's sanitary sewer main, known as Del Mar GIS map page B5, item 05 c.o. (B5-05 c.o.)

Spill originated from a clean out (known as Del Mar GIS map B6-04 c.o.) from City of Del Mar sanitary sewer system main

Spill occurred from manhole (MH) B10-15, on public road: Pacific Coast Highway, locally known as Camino del Mar (GIS

Private clean out on property of 1231 Camino del Mar

Sewer main clean out B5-05 c.o., at 2115 Balboa Avenue, Del Mar, CA 92014 (end of sewer line along Balboa Avenue)

Sewer clean out known on Del Mar GIS maps, as B10-05 c.o.

Sewer clean out known as B10-05 c.o., on the City of Del Mar GIS System (see map in attachment).

Manhole located at the corner of Luneta Drive at 13th Street, aka MH-B7-41 (i.e. Manhole on Del Mar sewer map book, p

Spill from property clean out at 535 Serpentine Drive, caused by surge in the main due to roots blockage and broken pipe

6 inch cleanout along the shoulder of Hosmer Street

Near manhole number 09-078 behind 811 Murray Drive

Overflow at manhole 04-065

Overflow at manhole 04-065

Intersection of Brockton Street and Fletcher Parkway

Manhole #07-195

Encinitas Sewer Manhole #389, located on the N. side of Camino Del Rancho St.

ad

up in MH B6-02, all of a sudden rushed
C.O.)
in front of 347 Serpentine Drive.
map B10, item 15)

age B7, item number 41).

1.

Other sewer system structure
Force main or pressure sewer
Other sewer system structure
Other sewer system structure
Gravity sewer
Manhole
Manhole
Manhole
Manhole
Building or structure;Other (specify)
Force main or pressure sewer
Manhole
Gravity sewer
Gravity sewer
Other (specify)
Other (specify)
Other sewer system structure
Gravity sewer
Other (specify)
Other (specify)
Other sewer system structure
Manhole
Manhole
Other (specify)
Other (specify)
Manhole
Building or structure
Other (specify)
Other (specify)
Manhole
Manhole
Other (specify)
Other (specify)
Other sewer system structure
Other (specify)
Manhole
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Other (specify)
Manhole
Manhole
Building or structure
Manhole
Manhole
Building or structure
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Building or structure
Manhole

CRACKED PLUMBING PIPE UNDER RESTAURANT

GRAVITY SEWER AND MANHOLE

PRIVATE

PRIVATE

FLOOR DRAIN AND CLEAN OUT

FLOOR DRAIN AND CLEAN OUT

Clean out (see Del Mar GIS map: B5-01 c.o.)

Clean out from main sewer line

Clean out on private property at 368 Serpentine Drive, Del Mar, CA 92014

Clean out (highest point) of sewer line

Lateral clean-out at 1145 Camino Del Mar

Clean out (c.o.) of property at 1905 Zapo Street, overflowed after blockage in main was released.

Clean out from City's Sanitary sewer main known as: GIS map B5-05 c.o.

Spill originated from a clean out (known as Del Mar GIS map B6-04 c.o.) from City of Del Mar sanitary sewer system mai

Spill occurred from manhole B10-15

Private clean out on property of 1231 Camino del Mar

Sewer main clean out B5-05 c.o., at 2115 Balboa Avenue, Del Mar, CA 92014 (end of sewer line along Balboa Avenue)

Clean out # 05 on page B10 of Del Mar GIS Map book

Clean out # 05 on page B10 of Del Mar GIS system and map books (see map in attachment).

Spill overflowed from manhole on Luneta Drive at 13th ST. The manhole is identified as MH-B7-41

Spill from property clean out at 535 Serpentine Drive, caused by surge in the main due to roots blockage and broken pipe
cleanout

Damp area of soil near manhole

Public restrooms at the ball field

Several manholes on Fesler Street (Pioneer to Johnson) and N Johnson Avenue (Fesler to Vernon)

Spill point was a cleanout serving the property at 640 Avocado Ave.

Other (specify below)
Other paved surface
Street/curb and gutter
Other paved surface
Other (specify below)
Other paved surface
Other (specify below)
Other (specify below)
Other (specify below)
Surface water
Other paved surface;Surface water
Other paved surface
Other paved surface
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other paved surface
Street/curb and gutter
Other (specify below)
Other (specify below)
Other paved surface;Other (specify below)
Street/curb and gutter
Other (specify below)
Unpaved surface;Other (specify below)
Other paved surface
Other (specify below)
Beach;Storm drain;Street/curb and gutter;Surface water;Other (specify below)
Surface water
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Unpaved surface
Unpaved surface
Street/curb and gutter
Surface water
Other paved surface
Other paved surface
Surface water
Unpaved surface
Separate storm drain;Surface water
Other paved surface
Unpaved surface
Unpaved surface
Separate storm drain;Street/curb and gutter;Unpaved surface

air relief vault well

Returned to Sanitary Sewer

return to sewer

returned to sewer

50% to Glorietta Bat (Surface Water) and 50% to Brick Parking Lot

5 gallon spill dissipated

MOSTLY CONTAINED SPILL, RESTORED FLOW, AND CLEANED UP AND APPROX 50 GALLONS IMPACTED GLOF

SEWER SYSTEM

SEWER SYSTEM

SEWER SYSTEM

SEWER

RETURNED TO SEWER

RETURNED TO SEWER SYSTEM

RETURNED TO SEWER SYSTEM

BANDEL STORM DRAIN STATION DIVERTED BACK INTO SEWER STATION.

Sanitary Sewer Main

Evaporation to atmosphere and road surface: 10 gallons

Dammed in Parking Area of complex and returned to system.

Infiltrated into soil in back yard of 368 Serpentine Drive, Del Mar, CA 92014

Absorbed in surface

SSO fully contained: sanitary sewer water (300 gals.), irrigation/run-off (50 gals.), and wash waters (150 gals.), all capture 264 gallons reached the Pacific Ocean, since it was a high tide and ocean waters were right up to Ahmanson Bluff Preser

Sewer main, after all surfaces (street and unpaved surface, storm drains) were cleared and cleaned.

All spilled sanitary sewer water and clean-up water was recovered and returned to City's sanitary sewer system.

The limited amount of estimated 50 gallons of spill fluid spread on and partially absorbed into hardscaped pavement and Pacific Ocean

Spill was fully recovered and returned to City of Del Mar Sanitary Sewer System.

Approximately 50 gallons of sewer spill was recovered and sent to sewer system. Approximately 50 gallons evaporated from City of Del Mar sanitary sewer system.

The 120 gallon liquid absorbed in the concrete ribbon drain in the center down the alley and ran south in NCTD's concrete Outfall DH-A7-20 from the Del Mar storm water system on the Beach at the Pacific Ocean.

Canyon area between Zapo ST and Seaview Avenue

Sewage final destination was an earthen sump where it percolated into soil. (see attach photo)

Final destination was an unpaved area located at 3049 Camino Del Rancho Street.

10/24/2009 0:00	10/24/2009 14:30	10/24/2009 15:45	10/24/2009 16:00
3/24/2010 0:00	3/24/2010 10:00	3/24/2010 10:15	3/24/2010 10:15
4/29/2010 21:45	4/29/2010 22:00	4/29/2010 22:00	4/29/2010 22:00
4/11/2010 0:00	4/11/2010 20:00	4/11/2010 20:45	4/11/2010 21:00
7/19/2010 0:00	7/19/2010 0:00	7/19/2010 0:30	7/19/2010 0:45
11/13/2010 0:00	11/13/2010 10:30	11/13/2010 10:38	11/13/2010 10:45
1/24/2011 0:00	1/24/2011 7:54	1/24/2011 8:00	1/24/2011 8:30
1/28/2011 0:00	1/28/2011 8:00	1/28/2011 8:10	1/28/2011 8:20
12/24/2010 0:00	12/24/2010 9:27	12/24/2010 9:40	12/24/2010 10:00
11/3/2011 0:00	11/3/2011 13:00	11/3/2011 13:00	11/3/2011 15:00
11/16/2011 0:00	11/16/2011 7:40	11/16/2011 7:40	11/16/2011 8:00
12/25/2011 14:00	12/25/2011 14:00	12/25/2011 14:45	12/25/2011 15:30
12/31/2011 13:45	12/31/2011 13:45	12/31/2011 14:20	12/31/2011 14:40
1/3/2012 10:15	1/3/2012 10:15	1/3/2012 10:55	1/3/2012 11:15
11/14/2012 0:00	11/14/2012 7:45	11/14/2012 7:45	11/14/2012 0:00
11/22/2012 10:00	11/22/2012 10:00	11/22/2012 10:30	11/22/2012 10:30
12/22/2012 15:30	12/22/2012 15:30	12/22/2012 16:15	12/22/2012 4:30
2/20/2013 13:00	2/20/2013 13:15	2/20/2013 13:35	2/20/2013 13:45
2/27/2013 0:00	2/27/2013 0:00	2/27/2013 0:00	2/27/2013 0:00
2/27/2013 0:00	2/27/2013 0:00	2/27/2013 0:00	2/27/2013 0:00
3/27/2013 15:25	3/27/2013 15:30	3/27/2013 15:40	3/27/2013 15:45
4/8/2013 19:00	4/8/2013 19:15	4/8/2013 19:30	4/8/2013 20:30
4/27/2013 9:00	4/27/2013 9:15	4/27/2013 9:45	4/27/2013 10:15
7/16/2007 10:35	7/16/2007 10:35	7/16/2007 10:46	7/16/2007 10:55
8/11/2007 16:45	8/11/2007 16:45	8/11/2007 17:30	8/11/2007 17:30
12/19/2007 15:27	12/19/2007 15:27	12/19/2007 15:40	12/19/2007 15:55
12/29/2007 13:45	12/29/2007 13:45	12/29/2007 14:30	12/29/2007 15:15
4/18/2008 17:00	4/18/2008 17:00	4/18/2008 17:40	4/18/2008 18:30
7/2/2008 22:00	7/2/2008 22:10	7/2/2008 22:30	7/2/2008 23:40
10/27/2008 11:02	10/27/2008 11:02	10/27/2008 11:15	10/27/2008 12:00
12/13/2008 0:00	12/13/2008 10:33	12/13/2008 10:45	12/13/2008 13:30
12/17/2008 0:00	12/17/2008 10:56	12/17/2008 11:15	12/17/2008 11:48
1/12/2009 0:00	1/12/2009 14:30	1/12/2009 14:30	1/12/2009 14:45
12/2/2010 0:00	12/2/2010 11:30	12/2/2010 11:00	12/2/2010 11:20
1/5/2011 0:00	1/5/2011 11:57	1/5/2011 12:15	1/5/2011 12:27
9/23/2011 0:00	9/23/2011 15:13	9/23/2011 15:28	9/23/2011 17:00
1/3/2012 7:49	1/3/2012 7:49	1/3/2012 8:05	1/3/2012 8:30
1/7/2012 7:30	1/7/2012 7:30	1/7/2012 8:00	1/7/2012 8:30
2/9/2012 7:58	2/9/2012 7:58	2/9/2012 8:20	2/9/2012 8:30
4/28/2012 12:15	4/28/2012 12:15	4/28/2012 13:00	4/28/2012 13:15
10/20/2012 0:00	10/20/2012 13:50	10/20/2012 14:30	10/20/2012 14:50
8/26/2013 17:45	8/26/2013 17:45	8/26/2013 18:45	8/26/2013 19:30
8/27/2007 6:50	8/27/2007 7:00	8/27/2007 7:10	8/27/2007 7:15
10/16/2007 12:10	10/16/2007 12:15	10/16/2007 12:30	10/16/2007 12:35
10/28/2007 20:00	10/28/2007 20:10	10/28/2007 20:20	10/28/2007 20:40
11/6/2007 10:30	11/6/2007 10:45	11/6/2007 10:50	11/6/2007 13:30
6/7/2008 13:50	6/7/2008 13:50	6/7/2008 14:05	6/7/2008 14:15
10/8/2008 10:00	10/8/2008 10:00	10/8/2008 10:10	10/8/2008 10:12
8/2/2010 0:00	8/2/2010 21:15	8/2/2010 21:45	8/2/2010 22:30
9/14/2010 0:00	9/14/2010 10:00	9/14/2010 10:30	9/14/2010 10:45
12/22/2010 0:00	12/22/2010 9:45	12/22/2010 9:50	12/22/2010 14:30
3/3/2011 0:00	3/3/2011 14:45	3/3/2011 15:00	3/3/2011 15:15
10/12/2011 19:30	10/12/2011 20:00	10/12/2011 20:15	10/12/2011 21:15
5/19/2012 6:30	5/19/2012 11:00	5/19/2012 11:30	5/21/2012 10:00
7/2/2007 10:30	7/2/2007 10:30	7/2/2007 10:40	7/2/2007 10:52

Other (specify below)
Other (specify below)
Debris-Rags
Root intrusion
Root intrusion
Grease deposition (FOG)
Debris-Rags
Debris-Rags
Pump station failure
Pipe structural problem/failure
Pipe structural problem/failure
Debris-General
Debris-General
Debris-Rags
Debris-Rags
Root intrusion
Debris-Rags
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Debris-General
Debris-General
Debris-General
Other (specify below)
Other (specify below)
Root intrusion
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Debris-General
Root intrusion
Debris
Debris
Debris
Debris
Root intrusion
Root intrusion
Flow exceeded capacity (Separate CS Only)
Root intrusion
Root intrusion
Root intrusion
Pipe structural problem/failure

Failure of air relief valve, time unknown
Failure of air relief valve

restaurant plumbing cracked, leaked into the bay
RELIEF VALVE BROKE

Roots from a private lateral
Toilet paper coming from sewer lateral hooked up to clean out. City main sewer line was clear.

Roots and Cleaning Rags.
Roots and rag in sewer main between manhole Del Mar GIS map B6-06 to B6-16
Roots in main between MH B6-16 to B6-04 c.o.

Root intrusion between the concrete rings that make up the manhole inspection structure found their way into the downstr

Growth of roots (root ball) within the main had blocked evacuation of sewer down the pipeline, causing build up of sewer
Cleaning rags

This particular clean-out is shallow, at least one service line is tied into it (this will be improved through FY2011 Water an
Roots build up in the line, with build up of paper based materials around them.

Debris, cleaning rags and hygiene products found in sanitary sewer main between MH B814, and MH B815.

Rags and plant roots clogged main sewer line, down from B5-05 c.o.

Plant roots that were released into the Sanitary Sewer System, due to Herbicide treatment since 7/13/2011.

Roots and paper in the sewer main between MH B10-06 and MH B10-12, lead to SSO at B10-05 c.o.

Root intrusion into the manhole, at the bottom of trough, that prevented/slowed down the sewer water to continue to flow

Root intrusion and Pipe Structural problem

A rounded 4- to 5-inch diameter cobblestone was found in the pipe. It is likely that the object was placed into the 6-inch s

Roots originated from various lateral. Roots in adjacent laterals combined to partially block public sewer main.

Other (specify below)

Main

Main

Main

Main

Main

Main

Other (specify below)

Upper Lateral

Main

Main

Main

Lower Lateral

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Main

Other (specify below)

Main

Main

Other (specify below)

Other (specify below)

Other (specify below)

Main

Other (specify below)

Main

Main

Other (specify below)

Main

Main

Main

Main

Main

Main

Main

Upper Lateral

Main

Air relief valve

Glorietta Bay Pump Electrical Failure
underneath the building, which is suspended over the bay
RELIEF VALVE BROKE

Manhole MH-B10-15
Grease plug in the main

In the City sanitary sewer main between clean out B5-05 c.o. and manhole B5-23 (corner of Balboa and Upper Luzon Av
The failure occurred at B6-04 clean out of the City of Del Mar's sanitary sewer sytem main, where a lateral ties into this cl
In the City sanitary sewer main at manhole B10-15, which is located on Camino del Mar, just north of La Amatista Road.
Debris, cleaning rags and hygiene products found in sanitary sewer main between MH B814, and MH B815.
Sewer main clean out B5-05 c.o., at 2115 Balboa Avenue, Del Mar, CA 92014 (end of sewer line along Balboa Avenue)
Clean out # 05 on page B10 of Del Mar GIS Map book
Roots and paper in the sewer main between MH B10-06 and MH B10-12, lead to SSO at B10-05 c.o.
Root intrusion into the manhole, at the bottom of trough, that prevented/slowed down the sewer water to continue to flow

6 inch diameter sewer main

Spill was from upper lateral resulting from blockage in main line.

3 abs
12 DIP

6 Vitrified caly pipe
6 VCP
8 Vitrified Clay
8 Vitrified Clay Pipe (VCP)
6 Cured-in-place liner pipe (Insituform)
6 VCP
10 VCP
8 VCP
8 VCP
6 VCP
6 concrete
6 VCP
8 VCP
8 VCP
6 Cured-in-place pipe
6 Concrete
6 concrete
8 PVC
6 VCP (Vitrified Clay Pipe)

8 VCP

8
6 VCP

6 VCP
8 plastic

re.) 250' into the main from E
ean out, instead of to the 6 i

down the sewer main.

10
30

47
47
35
48
48
48
25
64
48
45
50
53
50
54
60
60

53

50

50
17

Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Restored flow
Other (specify below)
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Returned all or portion of spill to sanitary sewer system
Restored flow;Returned all or portion of spill to sanitary sewer system
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Restored flow
Restored flow
Cleaned-up (mitigated effects of spill)
Restored flow
Cleaned-up (mitigated effects of spill)
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Cleaned-up (mitigated effects of spill)
Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
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Other (specify below)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Re

Private property owner cleaned up spill. Back up from City main occurred on private property only.

PIPE REPAIR

RESTORED FLOW, MITIGATED, CONTAINED ALL OR PORTION OF THE SPILL, REPAIRED VALVE

RESTORED FLOW AND CLEANED UP

Returned all sewer overflow to City sewer main collector line.

Jet rodded main with sewer jetting machine.

Rodded main with 6" auger, then jet rodded 140'. On 12/20/07 Operation was repeated, plus the whole sewer line was rod

Cleared main stoppage and washed parking area at property at 390 Stratford Ct. Recovered all waste and washdown water

Rodded main Del Mar GIS map from B6-06 to B6-16

Sewer rodded the main from MH-B10-10 to MH-B10-50 to MH-B10-15 (the SSO location), then jet rodded from MH-B10-1

Auger rodded the main from Del Mar GIS map B8-14 (on Camino Del Mar at 12th ST) to B8-20 (on Camino Del Mar at 1

Cleaned-up (mitigated effects of spill), contained all of spill, restored flow, returned all of spill to sanitary sewer system.

Captured and returned all sanitary sewer overflow waters and clean-up waters to the City's sanitary sewer main.

Crew cleaned B6-04 c.o. (clean out) of the Sanitary Sewer main in front of 347 Serpentine and jet rodded the 6" main from

Main activity was rodding of the sewer main, clean up, restored flow, cleaned street surface from traces of overflow. This

Rodded main with 2" rod, cleared blockage, finished with 6" auger, between MH B8-13 and MH B8-15 on 12th ST. Cleaned

Cleaned-up (mitigated effects of spill), contained all or portion of spill, returned all or portion of spill to sanitary sewer system.

Cleaned-up (mitigated effects of spill), contained all of spill, returned all of spill to sanitary sewer system.

Cleaned-up, mitigated effects of spill, 120 gallon liquid absorbed into the concrete ribbon drain and NCTD ditch, and evaporated

Removed blockage caused by roots in manhole. Restored flow. Cleaned-up (mitigated effects of the spill), all clean up water

Cleaned up (mitigated effects of spill), contained portion of spill, Restored flow, Returned portion of spill to sanitary sewer

Main line was jetted and rodded.

Sewage collected in earthen sump and percolated into soil.

12/24/2010 10:00
11/3/2011 15:00
11/16/2011 13:00

12/13/2008 3:30
12/17/2008 13:00
1/12/2009 16:30

9/23/2011 18:12

10/20/2012 16:30

11/6/2007 13:30

8/3/2010 13:30
12/22/2010 14:30

7/2/2007 14:30

Other (specify below)
Other (specify below)
Repaired sewer

Other (specify below)
Adjusted schedule/method of preventive maintenance
Other (specify below)

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Other (specify below)

Repaired sewer

Resolved pump and electrical malfunction.

REPAIRED PIPE

Repaired valve

The main lines and Manholes of the Del Mar municipal sewer system are scheduled for Herbicide treatment January 2009.

Rodded main to clear blockage, crew did follow-up sewer rodding operation of line the next day (1/13/09). Put line on list.

Location of the sanitary sewer line will be added to quarterly sewer rodding program. Line was last herbicide treated 7/13/08.

Rodded sewer main over 150 feet, from B7-94 to B7-41. The main was clear, roots were built-up inside bottom of manhole.

Our city is moving forward with a project to increase the flow capacity of this particular trunk sewer.

The private sewer lateral from 3022 Camino Del Rancho fell into our City's main line sewer. The lateral slipped from its connection.

No
No
No

No
No
No

Yes

No

Yes

Yes

Yes

No

not visible because of minor drip through a cracked pipe
light foam

N/A

NONE of SSO reached the Waters of the State.

Since it was a high tide at the Ocean when the SSO reached the beach at end of outfall DHB916, the 264 gallons was im
High tide and high surf, storm drainage saturated due to concurrent rain event.

NA

N/A

N/A

No solids on the beach, no visual effects on receiving waters. Beach closure posted 1/4 mile north and south of point of o

N/A

N/A

N/A

N/A

No visible impact

N/A

The area was returned to before the spill conditions. The entire street was cleaned using high pressure water and all of th

No
No
Yes

Yes
Yes
No

Yes

Yes

No

No

Yes

No

San Diego Bay- Crown Cove

Beach below Ahmanson Bluff Preserve.
City of Del Mar beach at end of 12th Street
NA
N/A
N/A
City of Del Mar Beach at 8th ST
N/A
N/A
N/A
N/A
City of Del Mar beach at Pacific Ocean
N/A

NA

NA

NA

Glorietta Bay
GLORIETTA BAY
San Diego Bay- Crown Cove

NOT APPLICABLE
N/A

n/a
N/A
N/A
N/A
N/A
N/A

Pacific Ocean
Pacific Ocean
NA
N/A
N/A
Pacific Ocean
N/A
N/A
N/A
N/A
Pacific Ocean
N/A

Alvarado Creek

Alvarado Creek
NA
Forrester Creek, San Diego River
NA
NA
N/A
Storm Drain

No water quality samples taken
Not applicable to this spill
Other (specify below)

No water quality samples taken
No water quality samples taken
Not applicable to this spill

Other (specify below)

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Other chemical indicator(s) - specify below; Biological indicator(s) - specify below

No water quality samples taken

Contacted County to submit samples County Lab Closed.

BACTERIOLOGICAL SAMPLES

Ocean water sample taken and analyzed for presence of Coliform, E. coli, and Enterococcus. All samples analyzed show

sample analyzed for ammonia and bacteria

County Health Agency;Regional Water Quality Control Board
None of the above
County Health Agency

No water quality samples taken
No water quality samples taken
Not applicable to this spill

County Health Agency

None of the above

No water quality samples taken

None of the above

None of the above

No water quality samples taken

SDC-DEH will send test results to City of Del Mar Public Works Department, at which time they will be added as attachments.

No water quality samples taken

ent to CIWQS dBase.

116577	11/3/2011 18:20
116804	11/16/2011 10:16

88883	12/13/2008 14:45
88969	12/17/2008 13:20
90250	1/12/2009 16:40

115676	9/23/2011 15:45
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135323	8/26/2013 20:53
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104618	8/2/2010 23:23
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107772	12/22/2010 12:00
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